

FIG. 1A

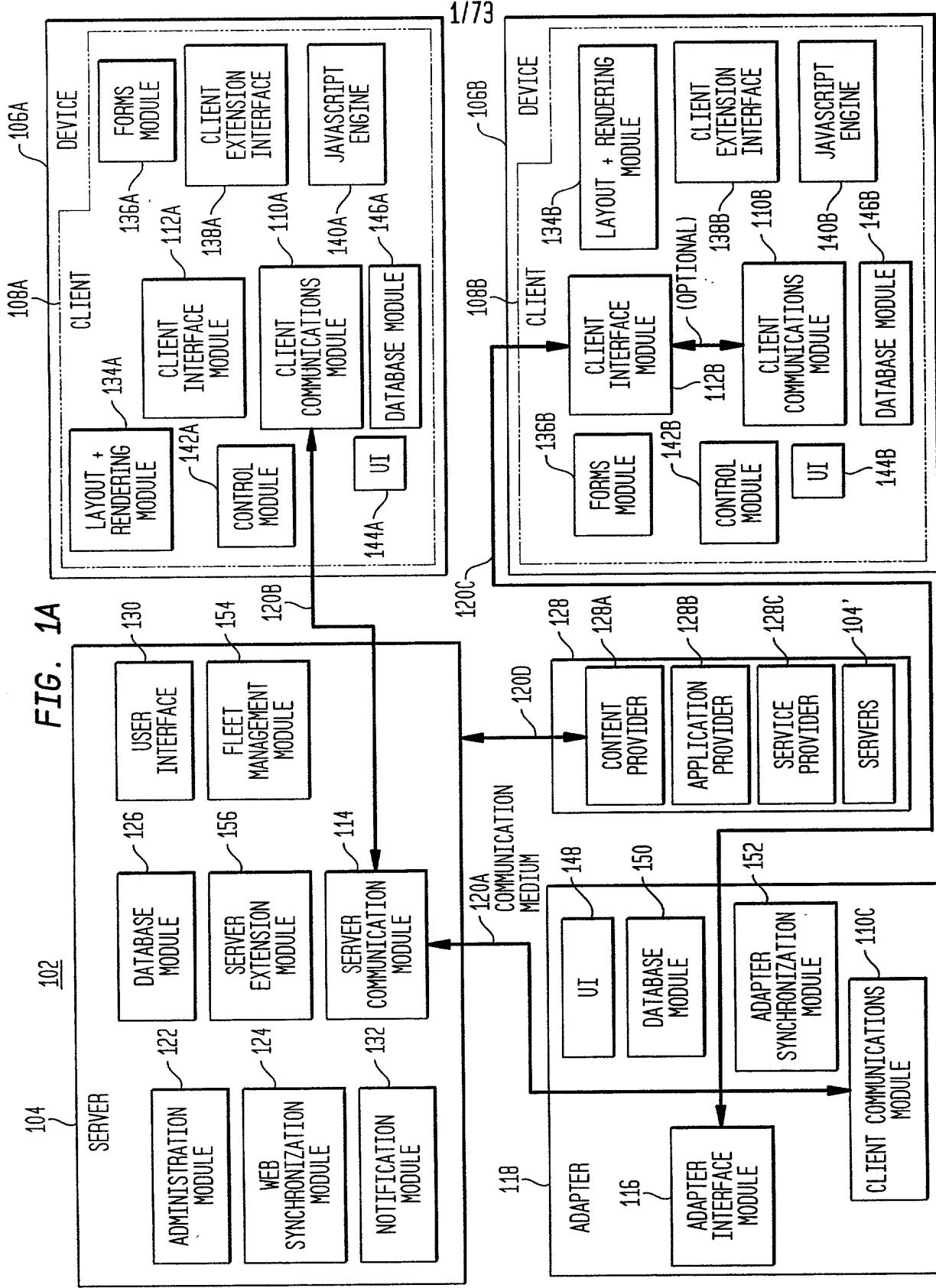


FIG. 1B

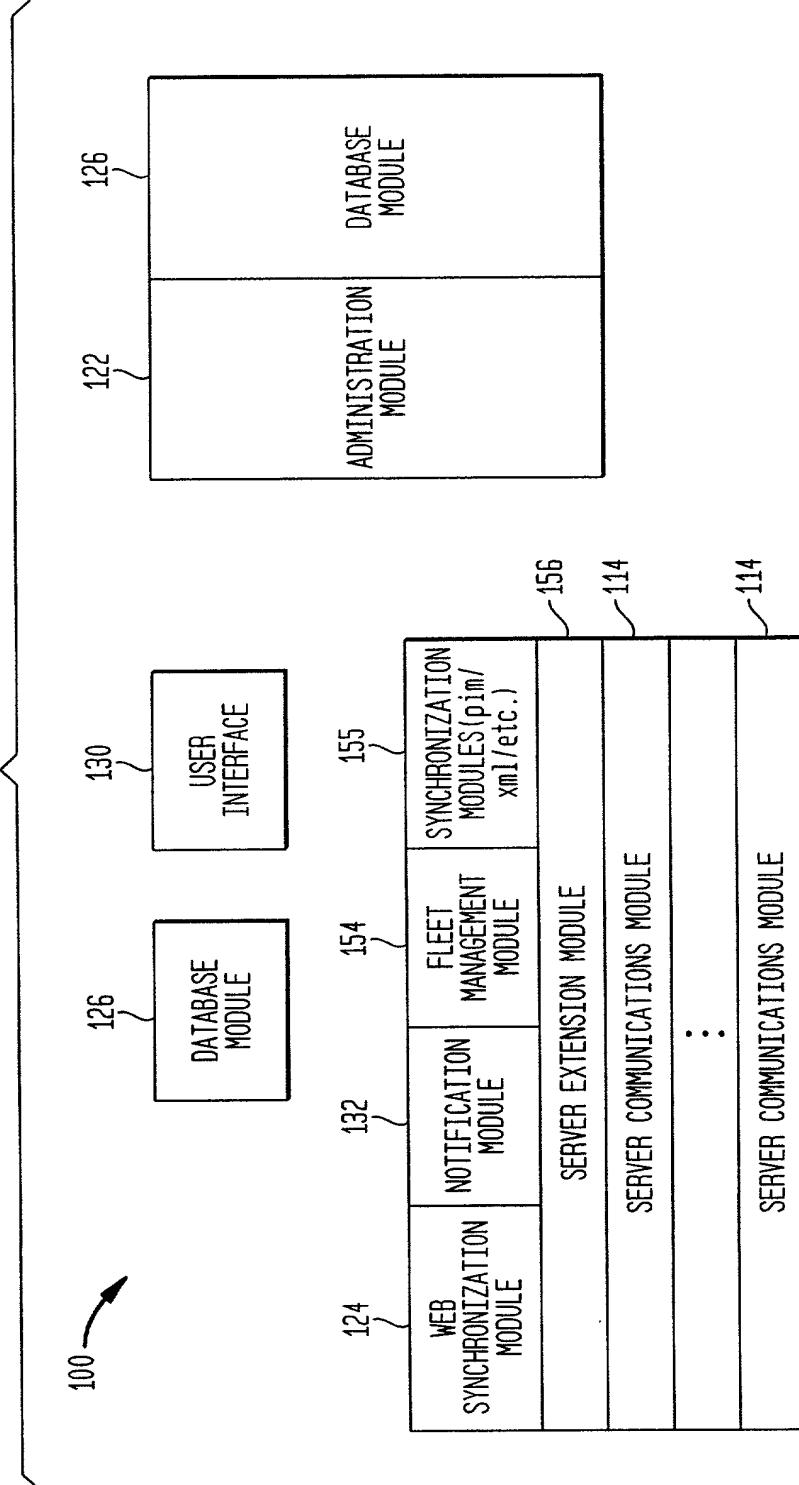


FIG. 1B1

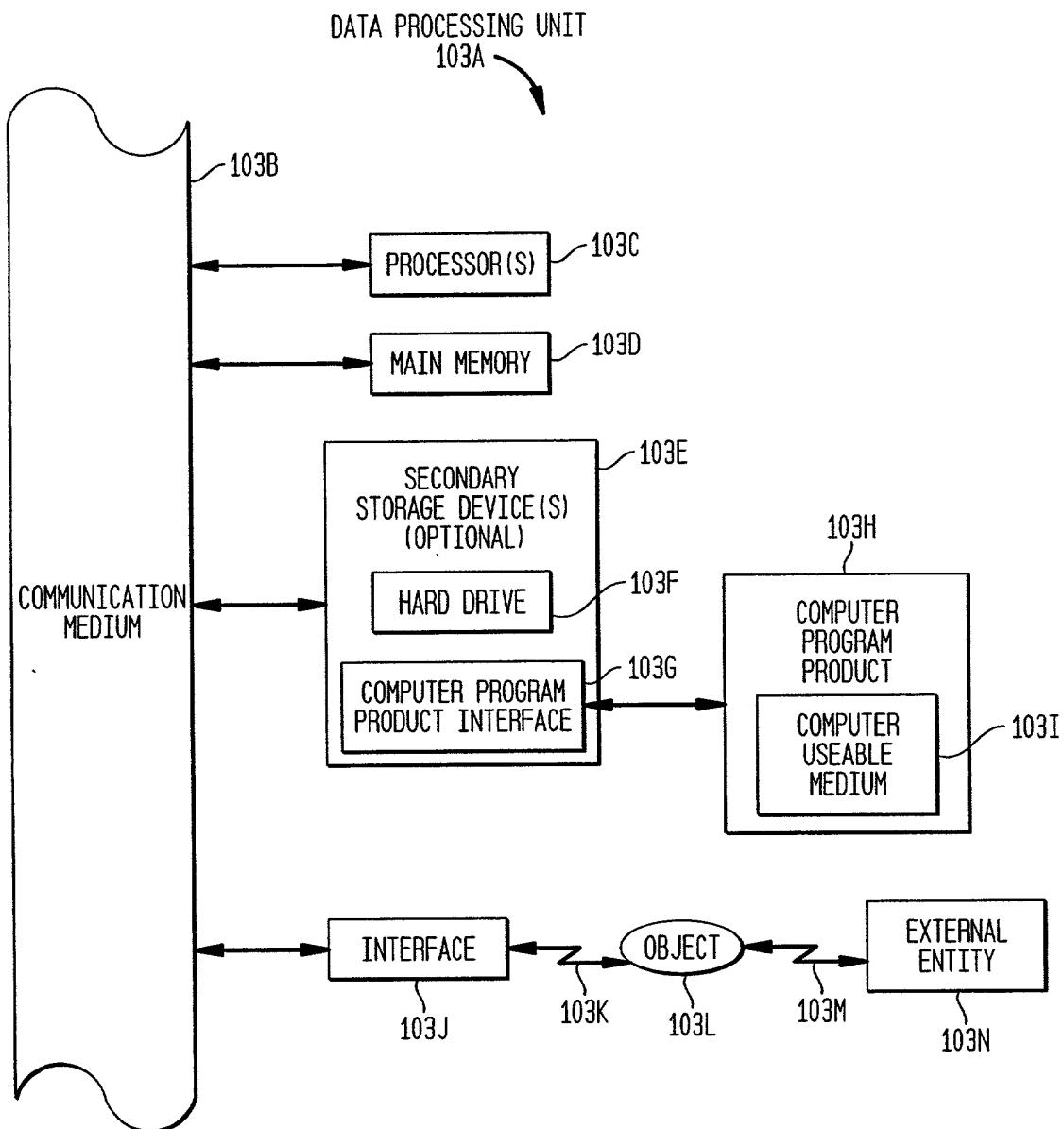


FIG. 1C

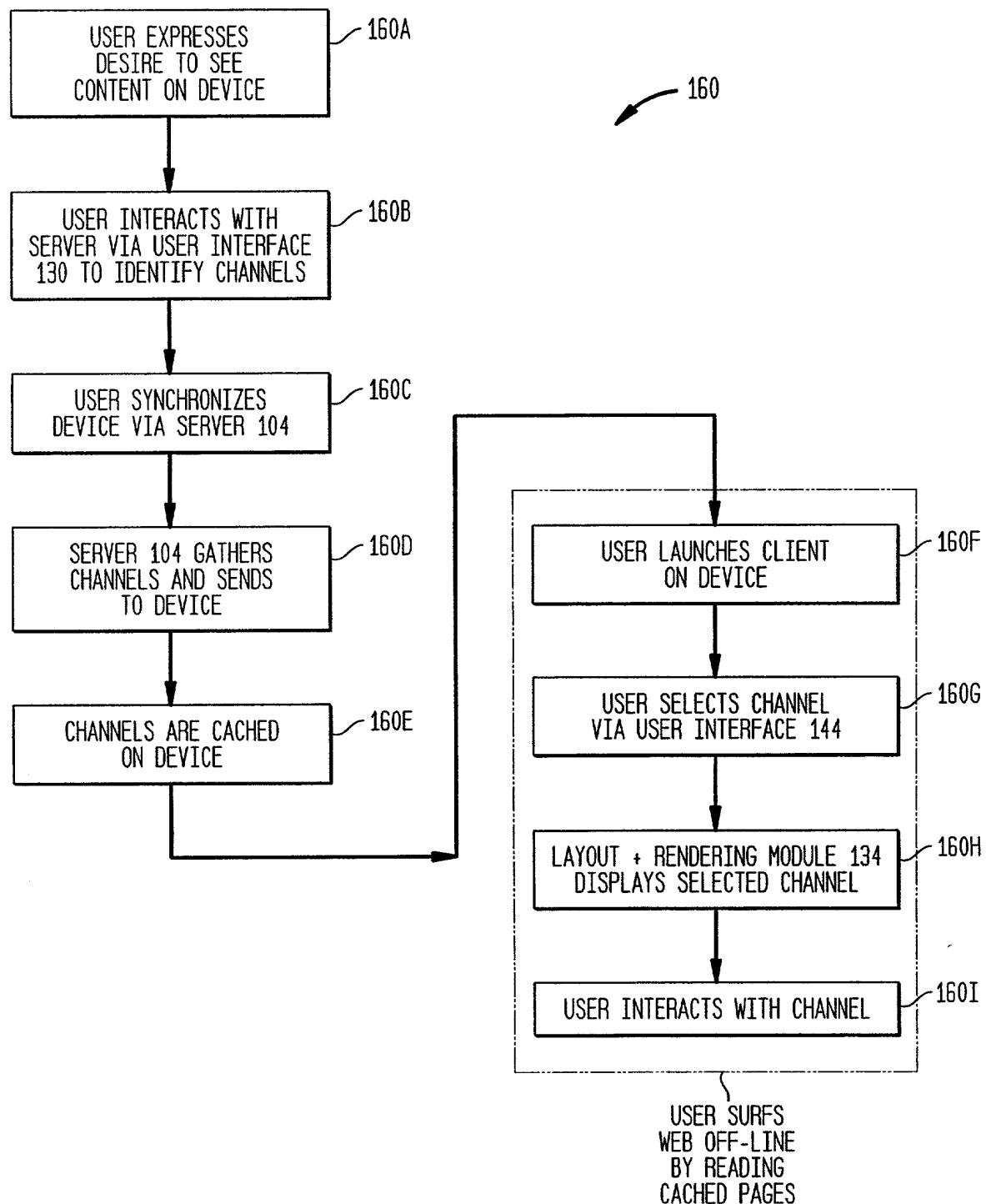


FIG. 1D

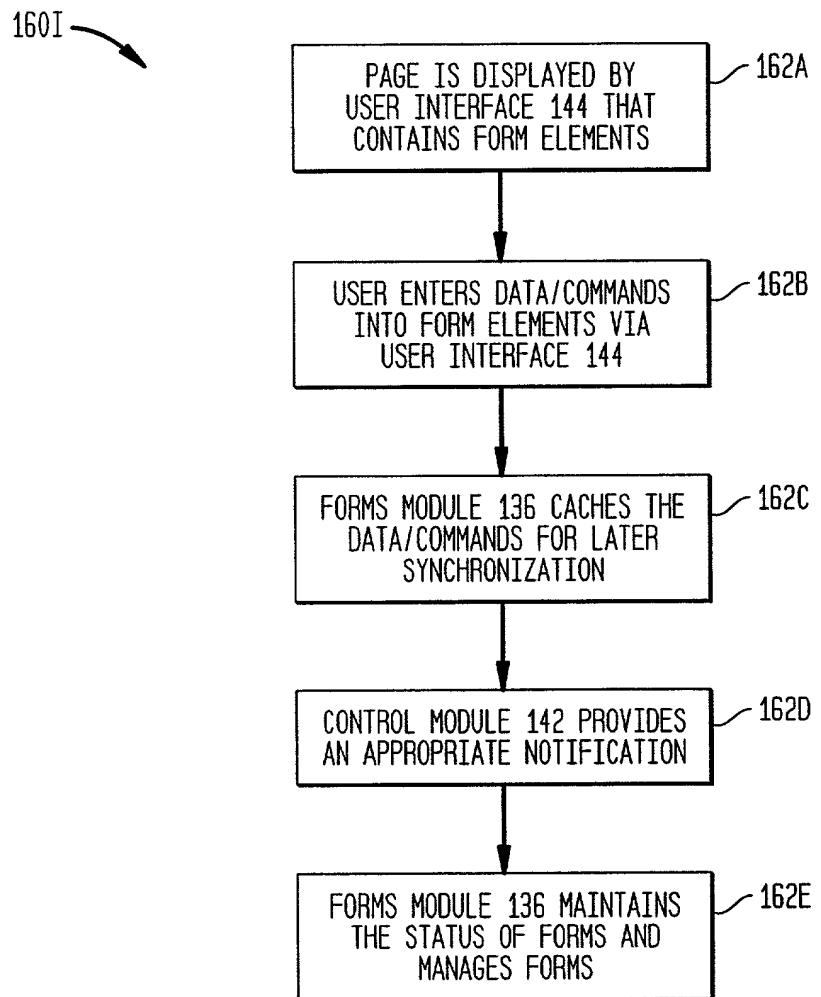


FIG. 1E

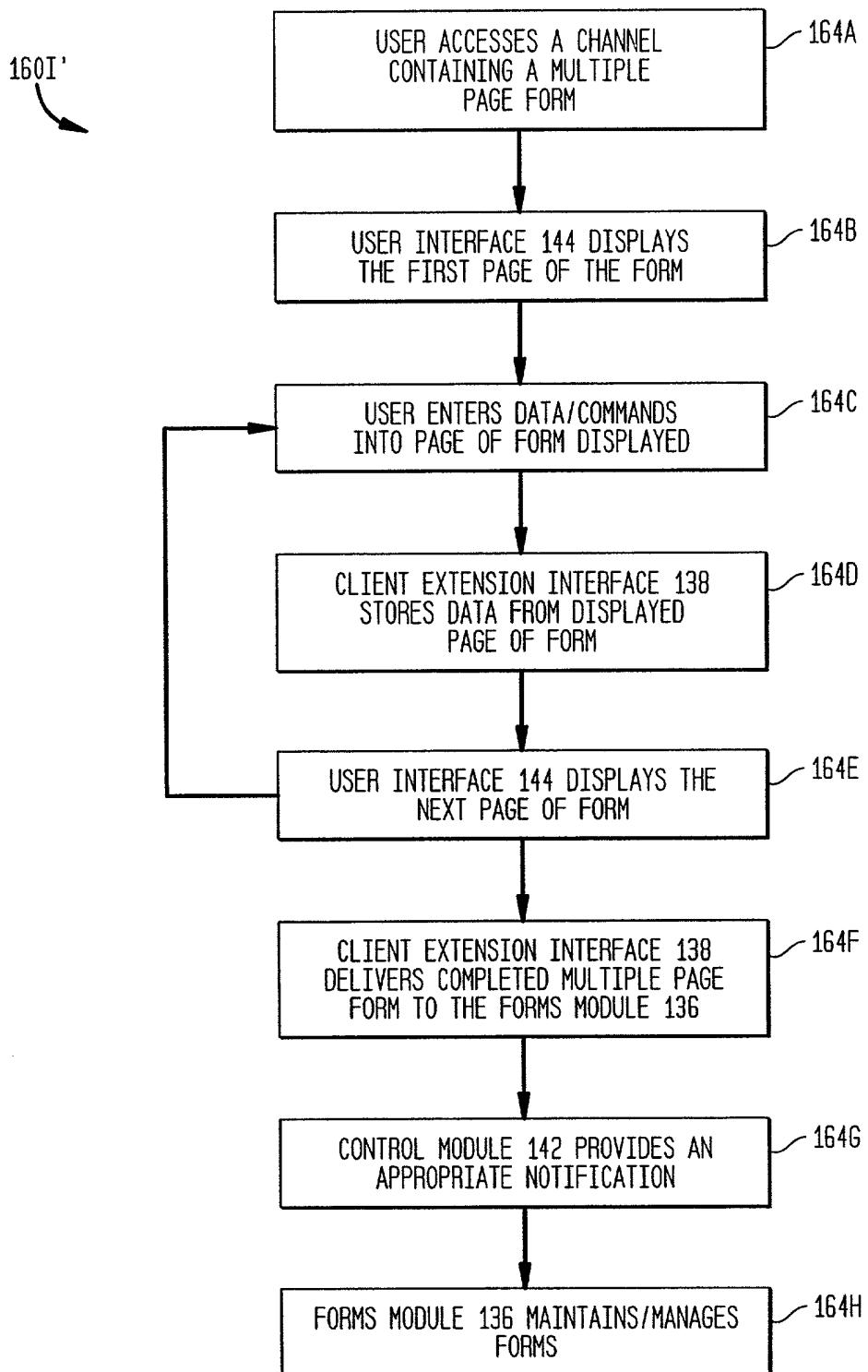


FIG. 1F1

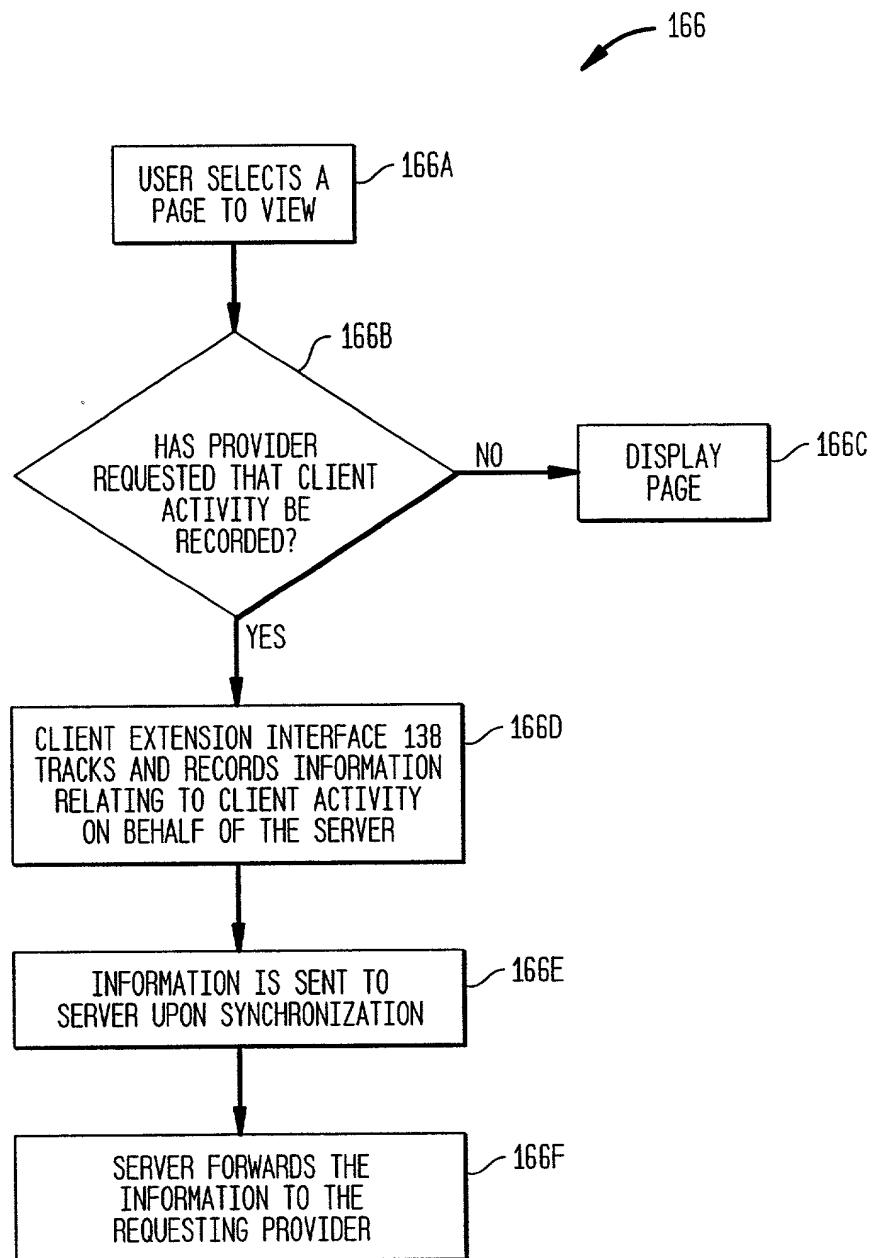


FIG. 1F2

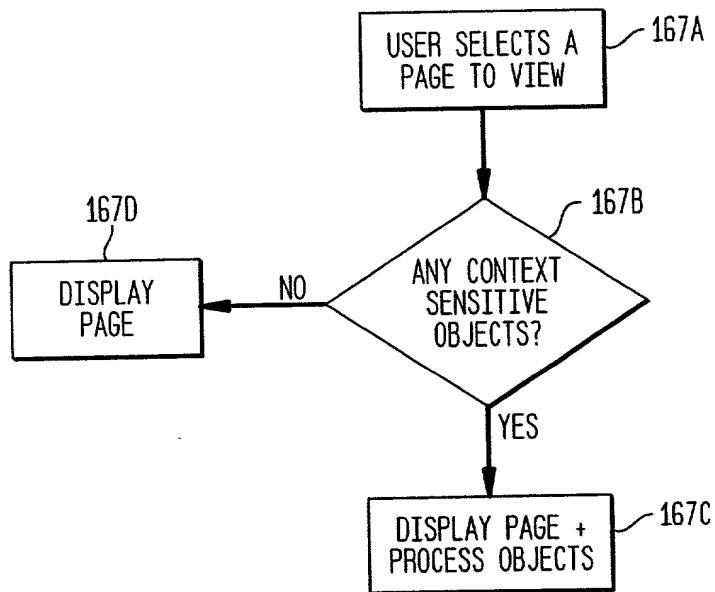


FIG. 1G

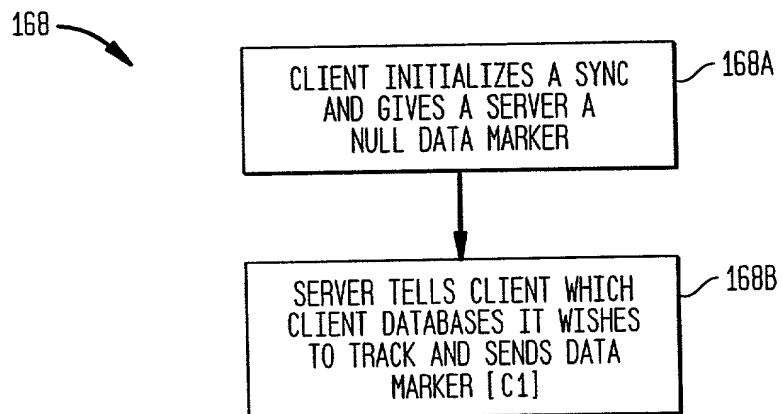


FIG. 1H1

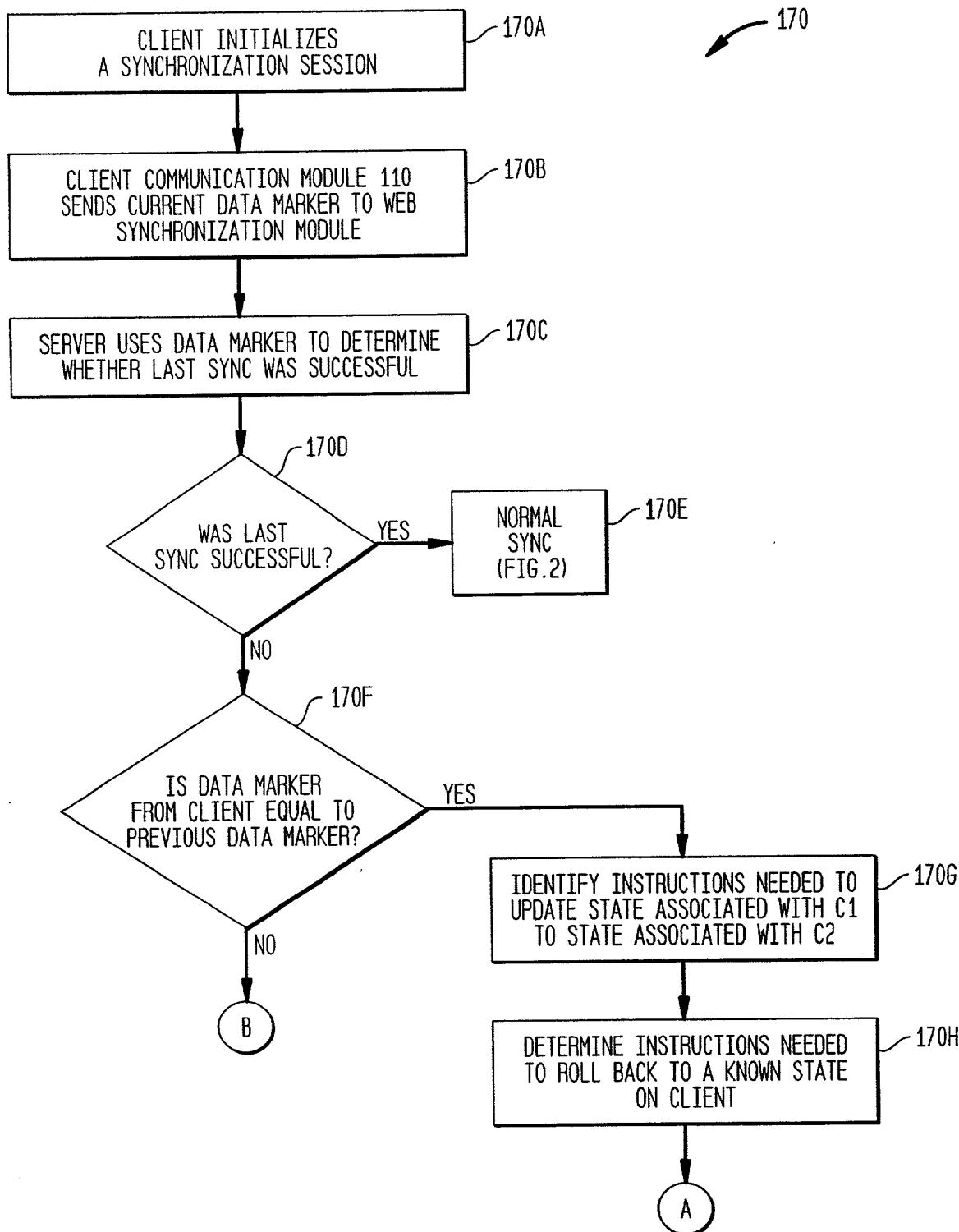


FIG. 1H2

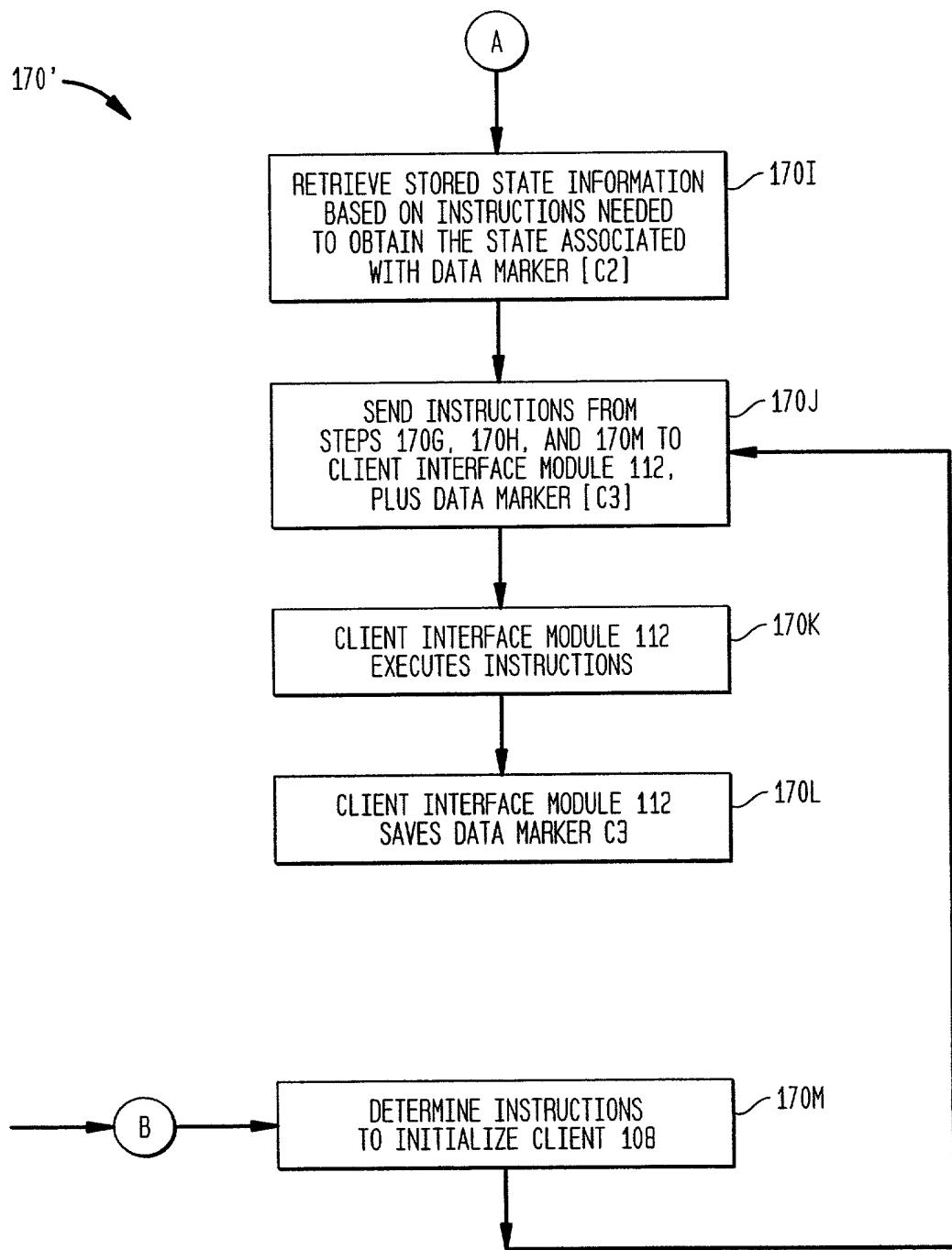


FIG. 111

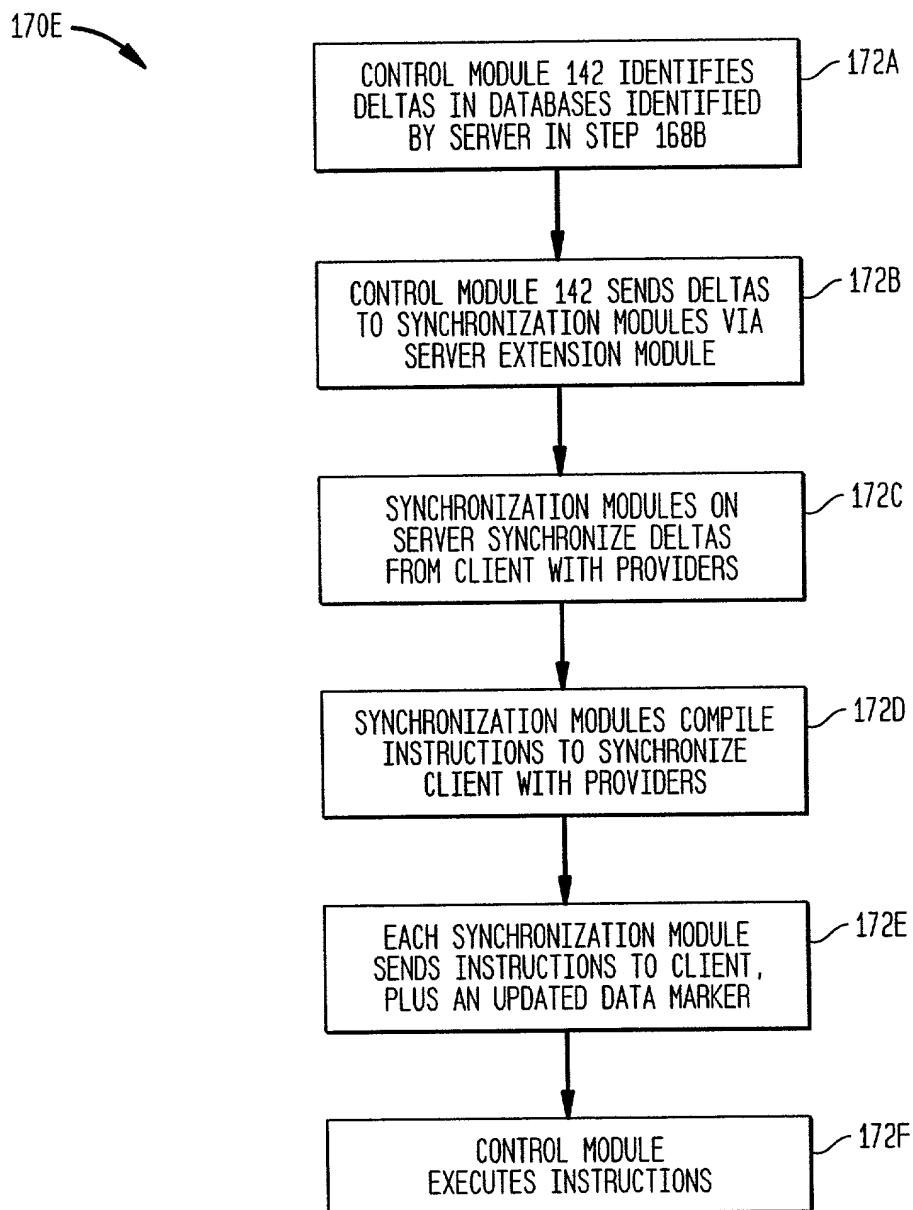


FIG. 1I2

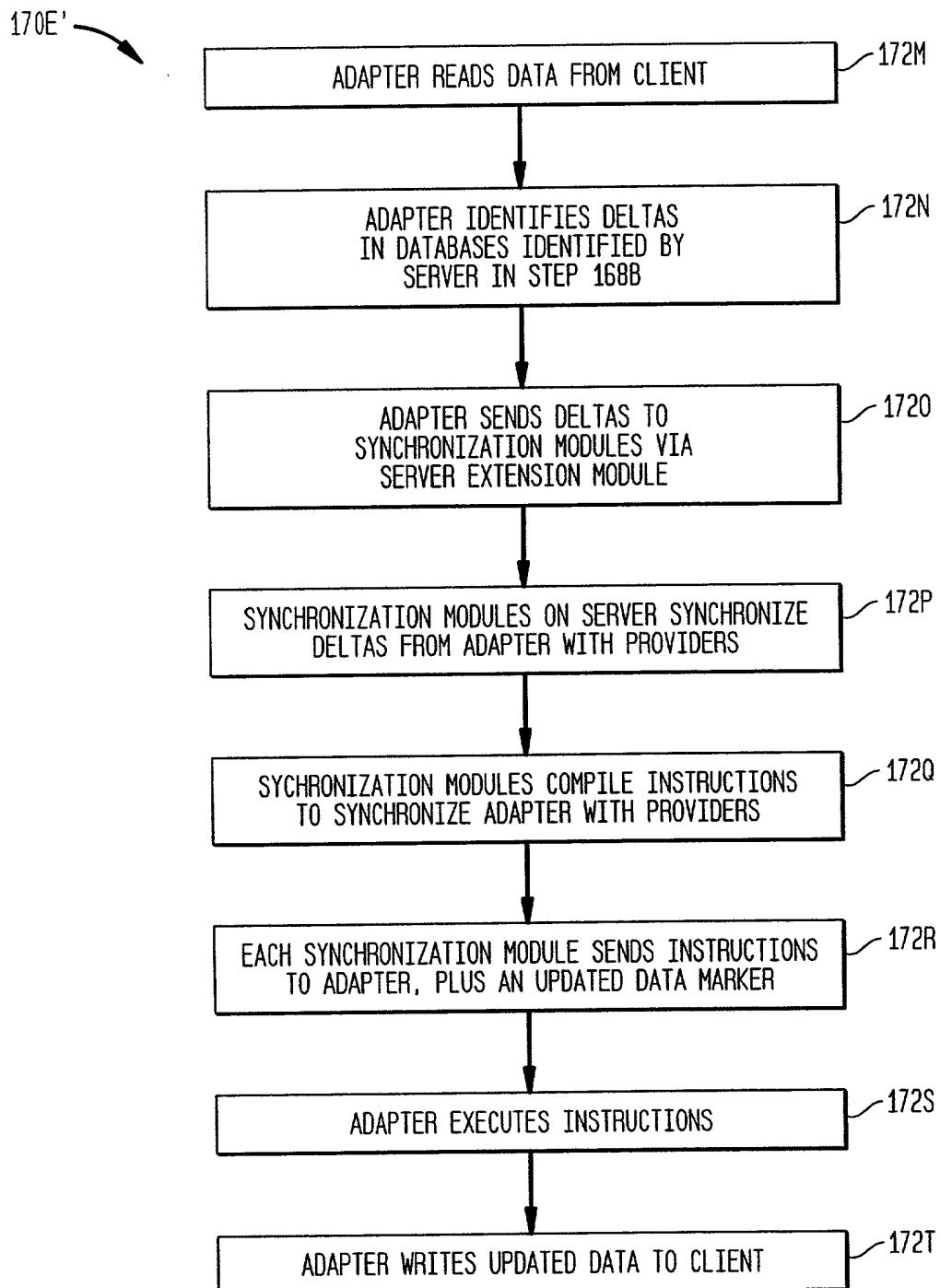


FIG. 1J

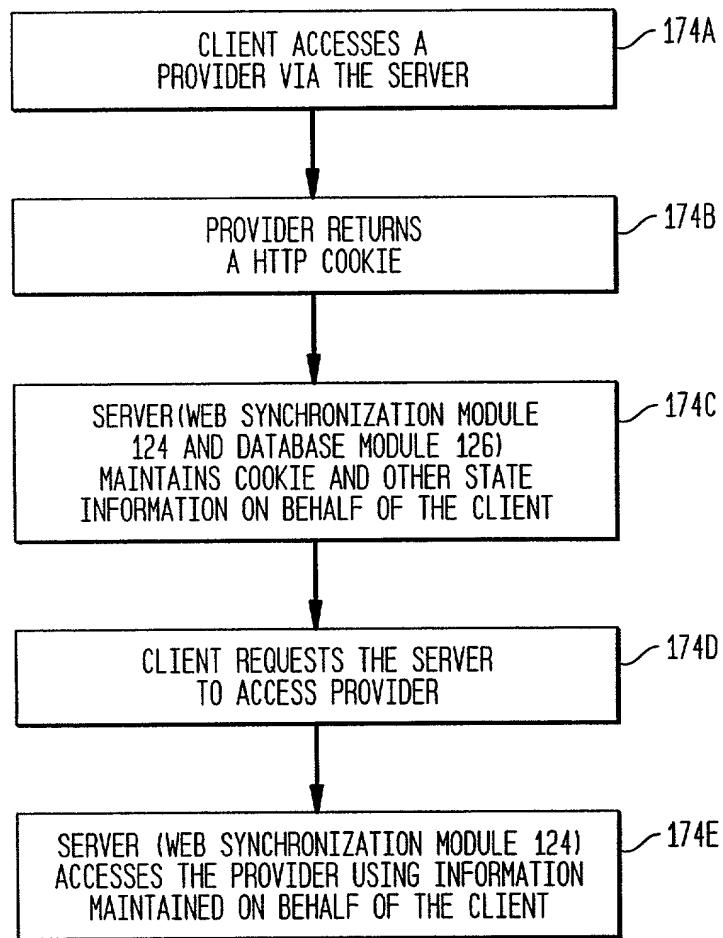


FIG. 1K

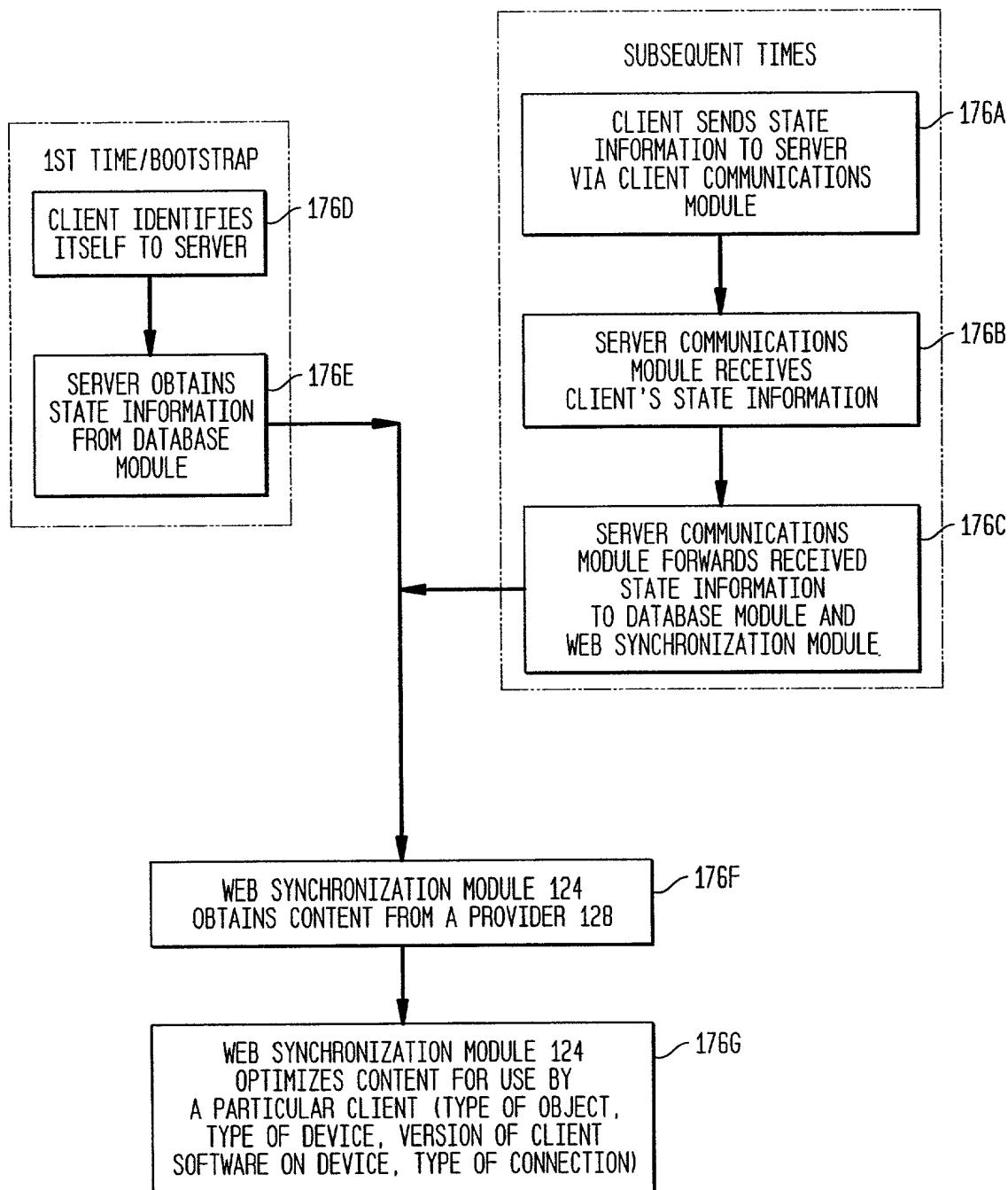


FIG. 1L

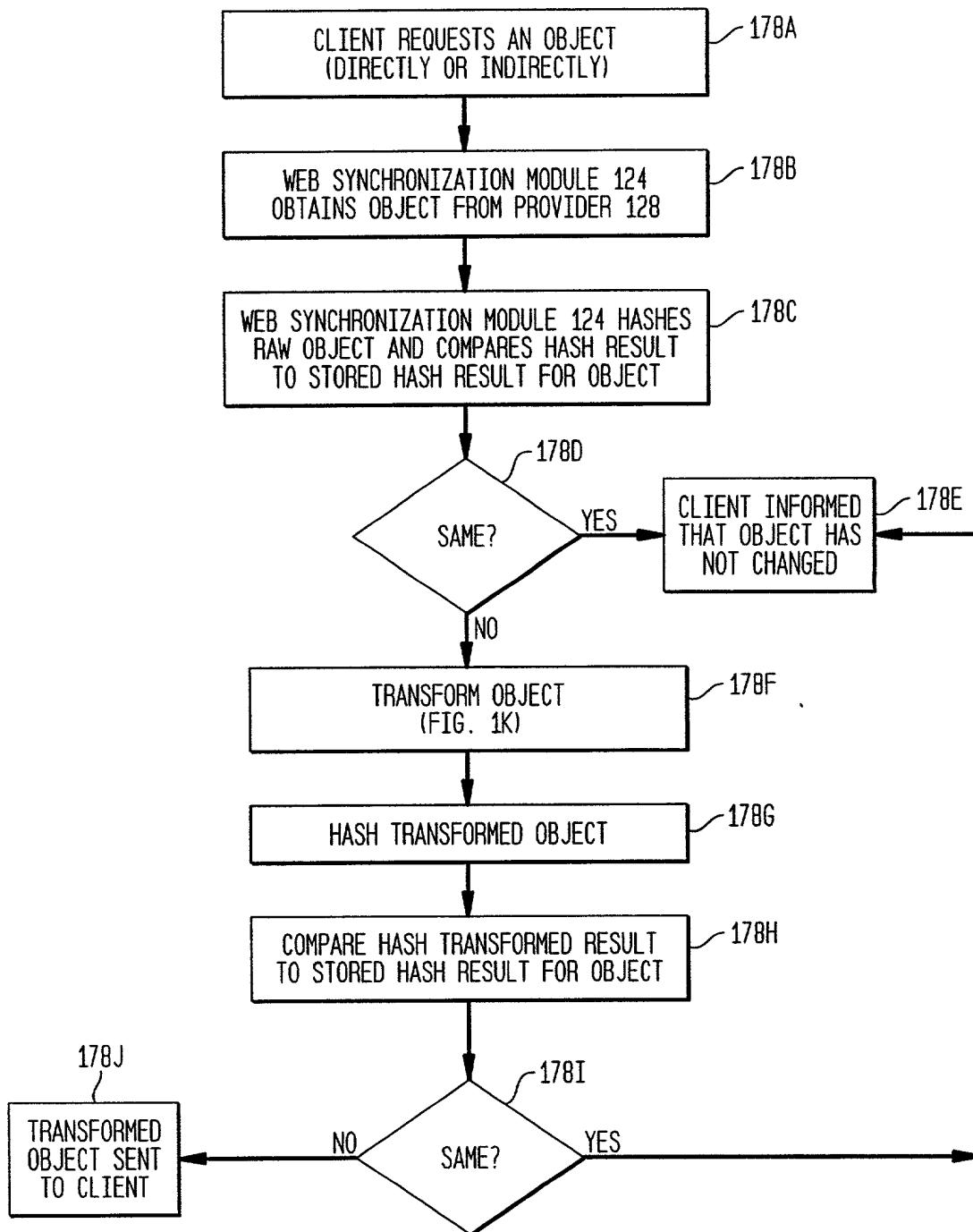
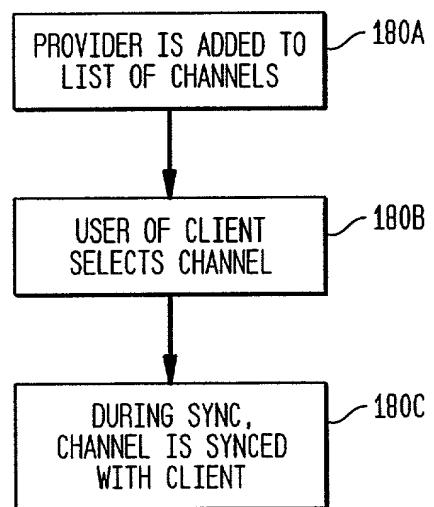


FIG. 1M



- MUSIC
- PHOTO ALBUMS
- BOOKS
- MOVIES
- ETC.

FIG. 1N

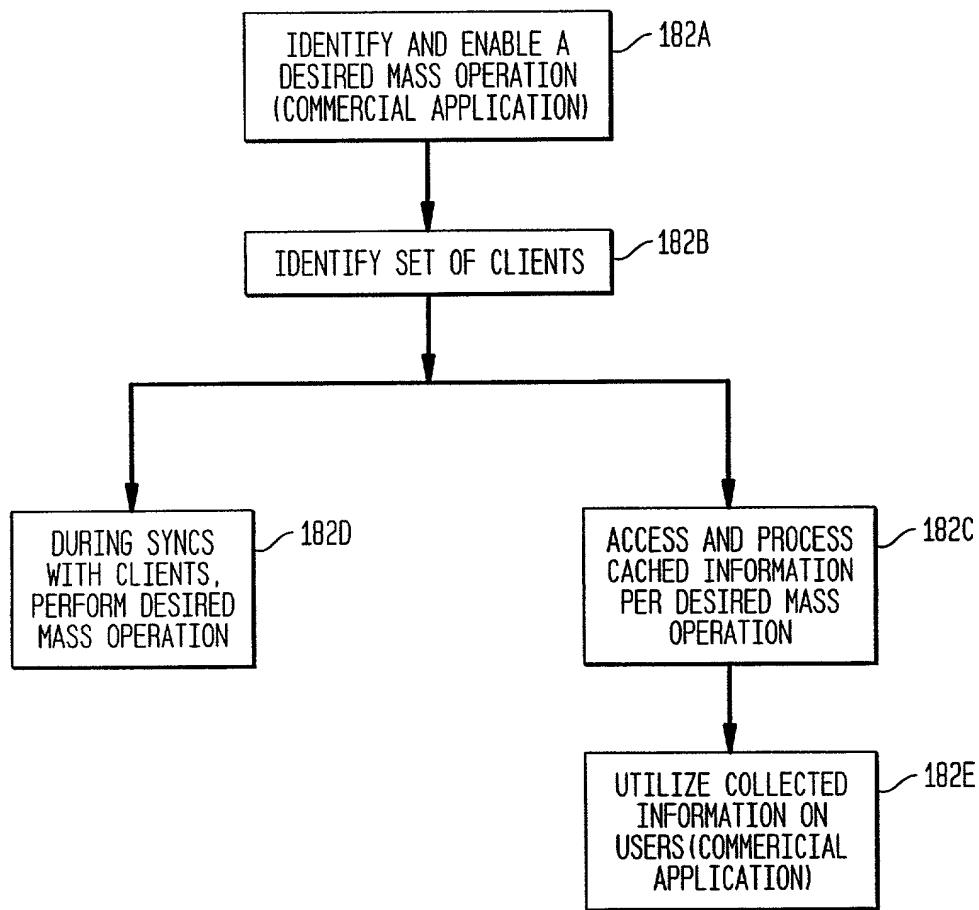


FIG. 10

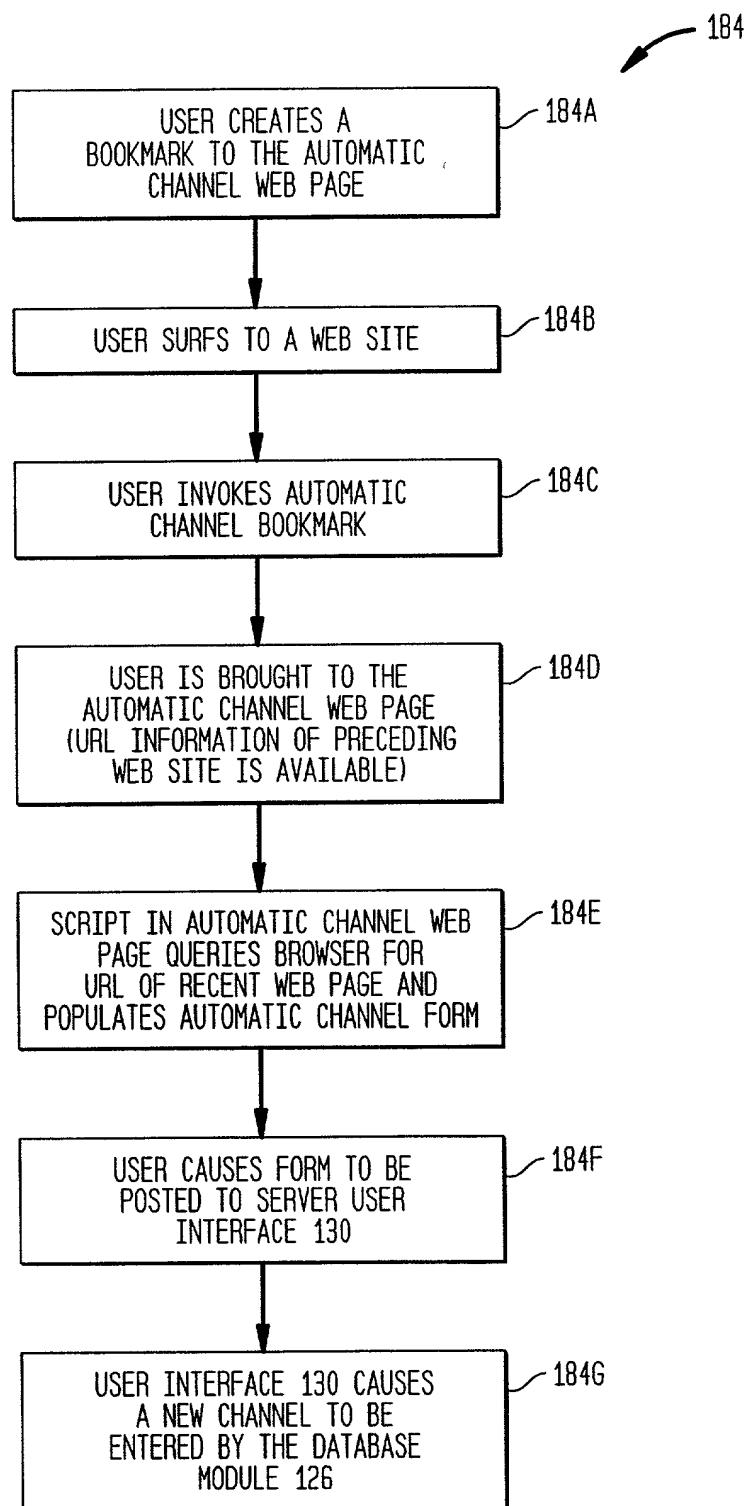


FIG. 1P

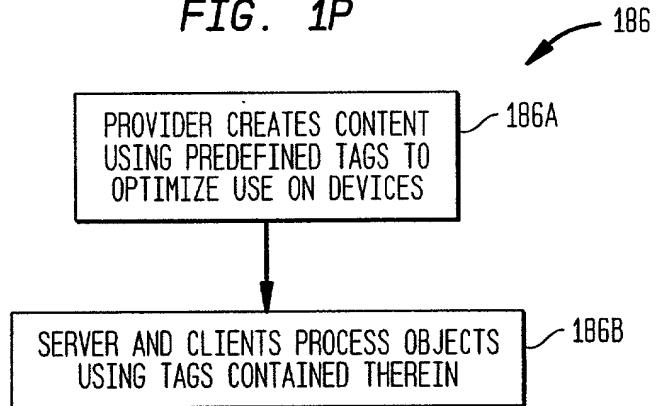


FIG. 1Q

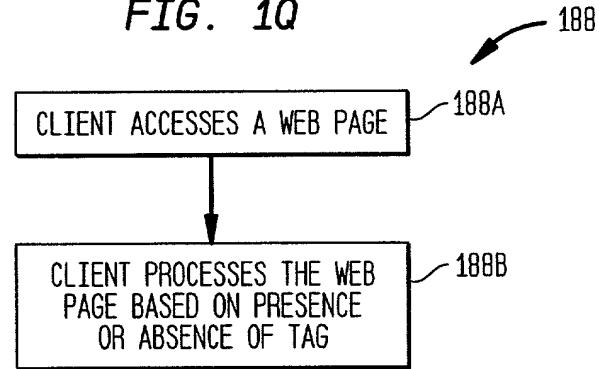


FIG. 1R

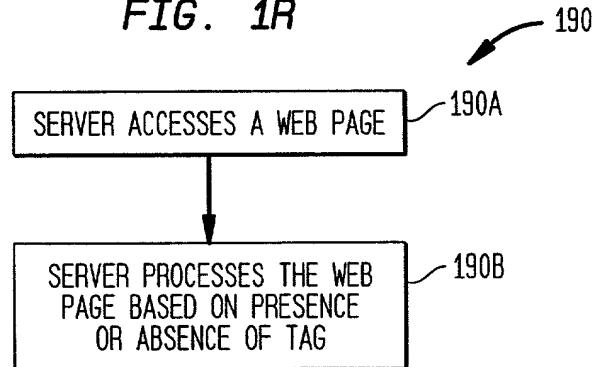


FIG. 1S

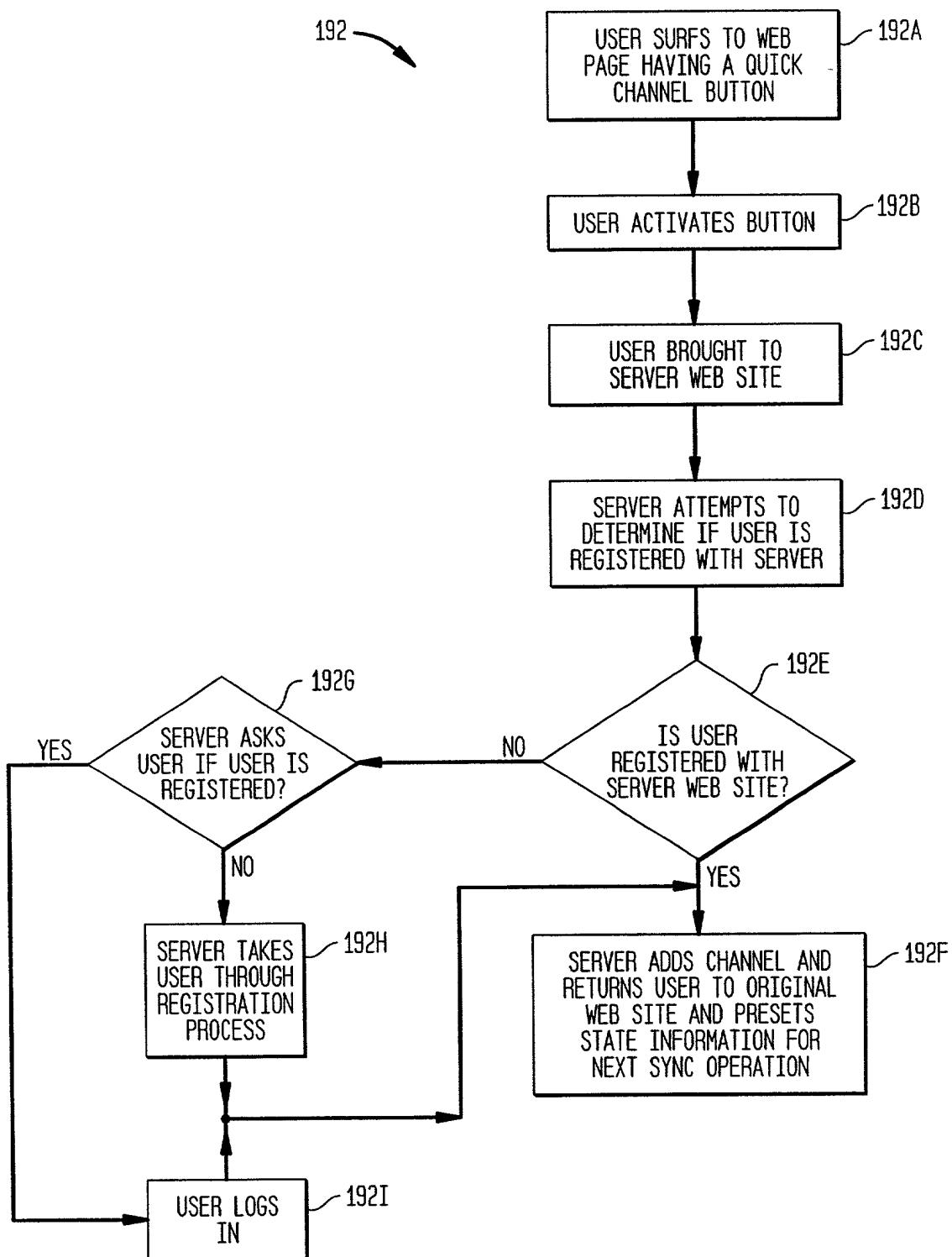


FIG. 1T

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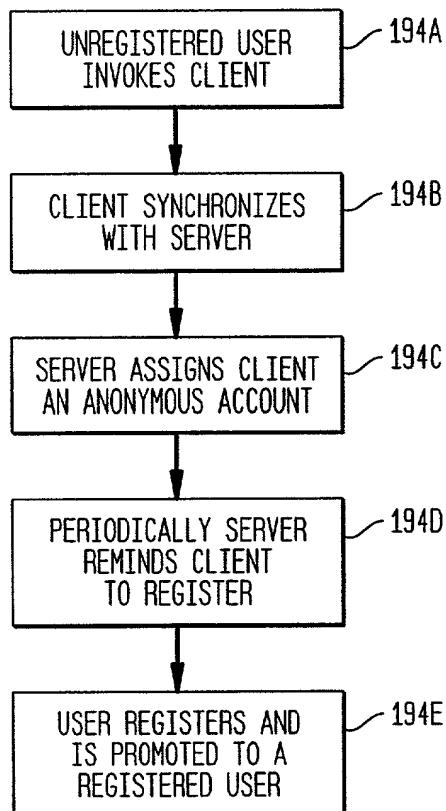


FIG. 1U

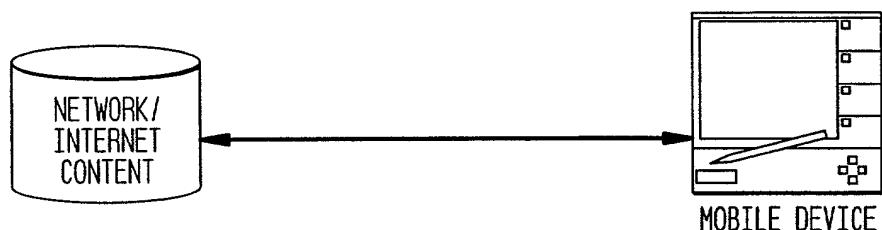
CORE TECHNOLOGY: PLACING INTERNET/
INTRANET CONTENT ON MOBILE DEVICES

FIG. 1V

MOBILE DEVICE/SERVER ENVIRONMENT

MOBILE DEVICES IN A CLIENT SERVER ENVIRONMENT

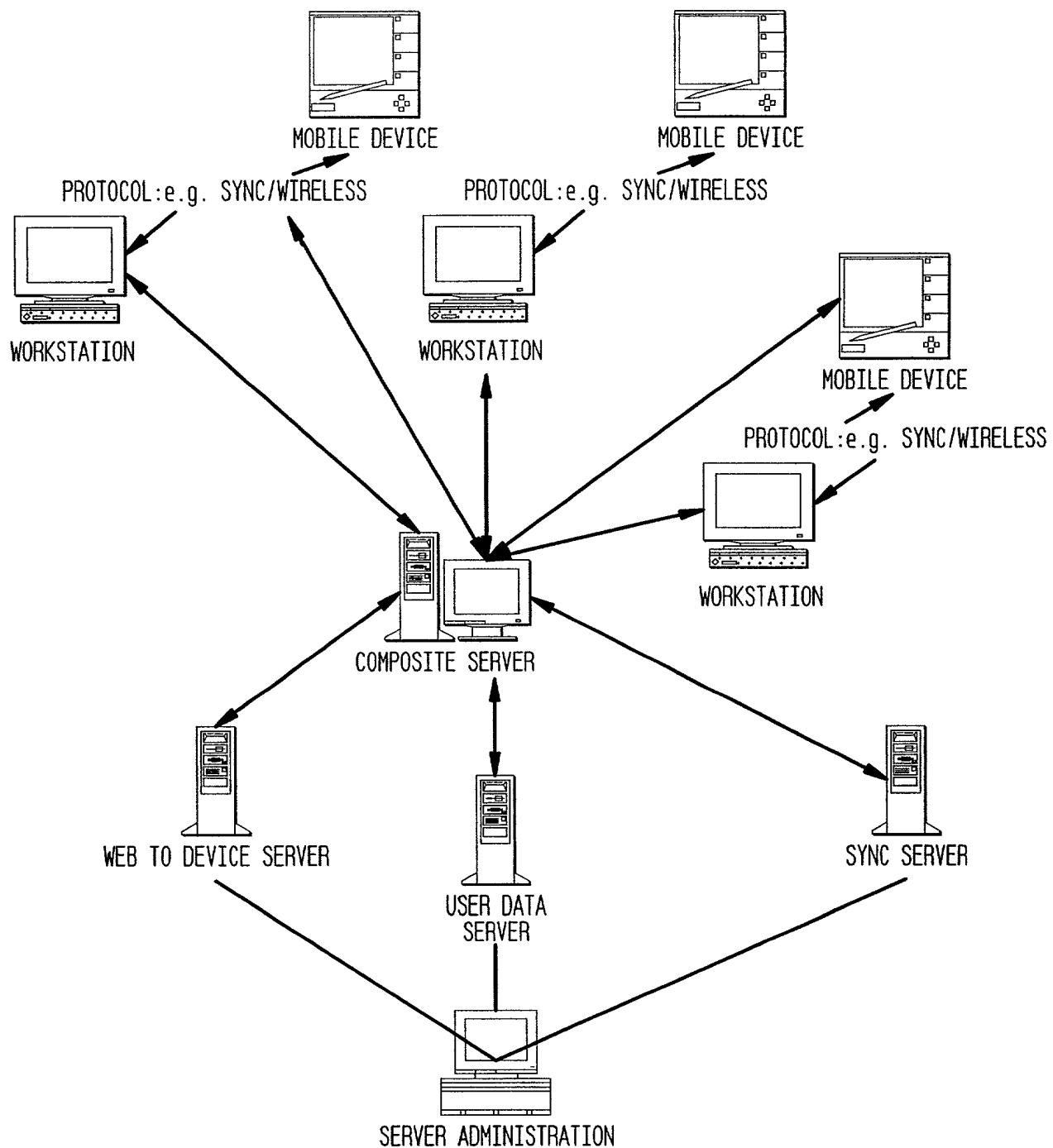


FIG. 1W

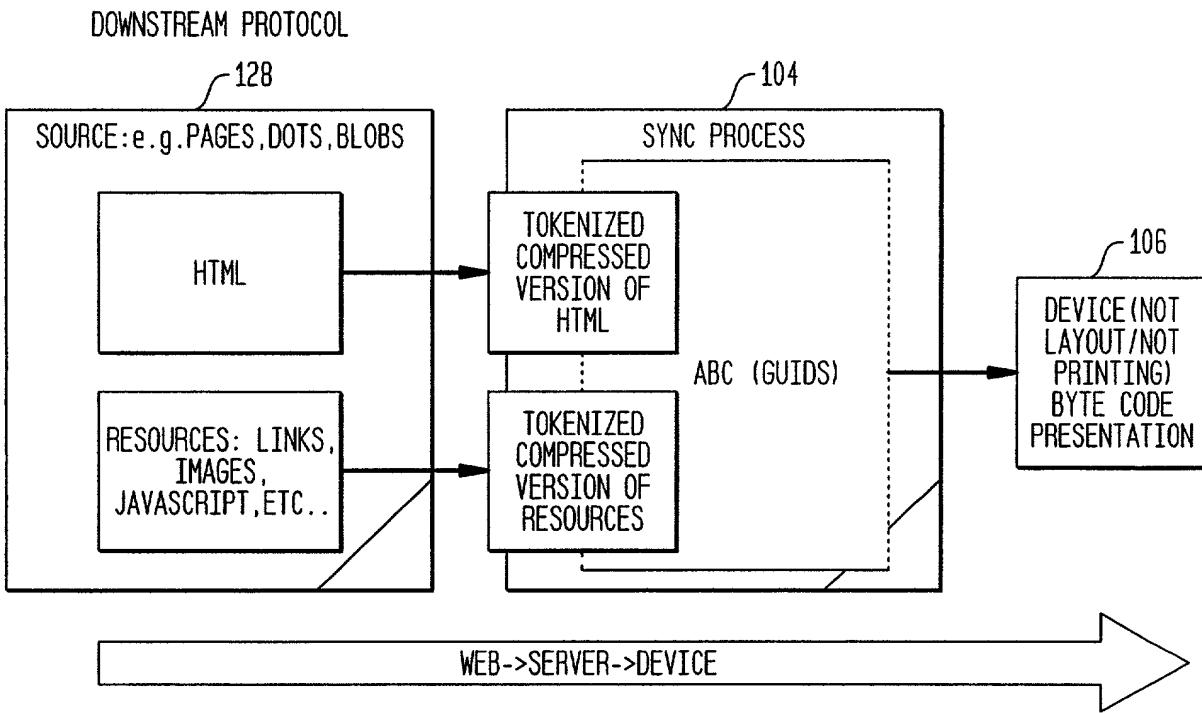


FIG. 1X

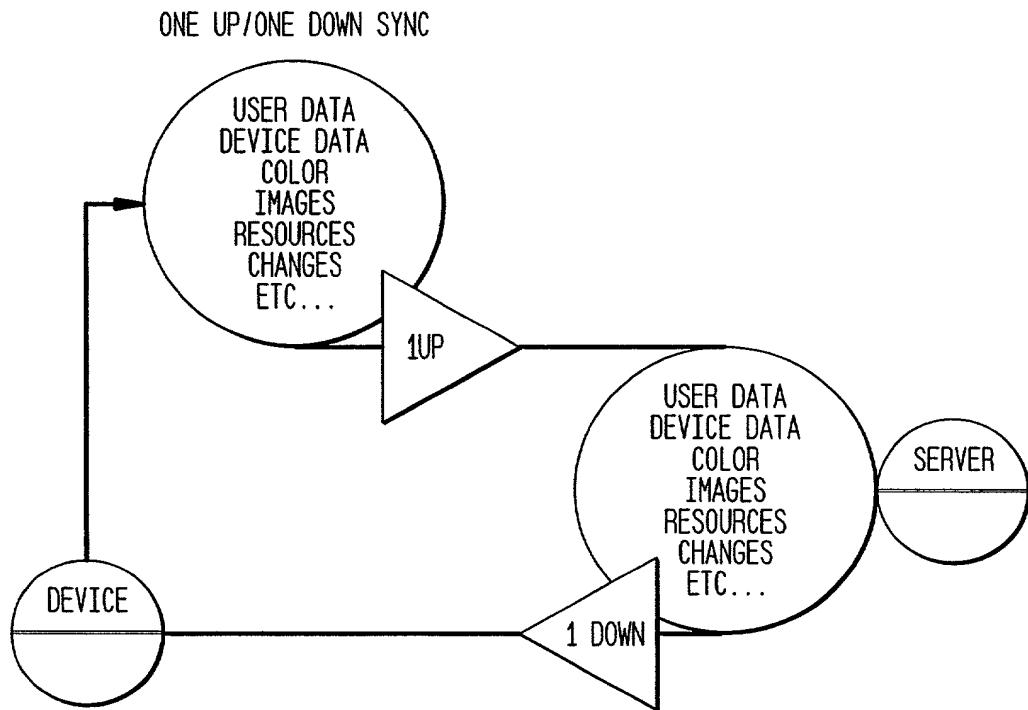


FIG. 1Y

SYNC PROCESS

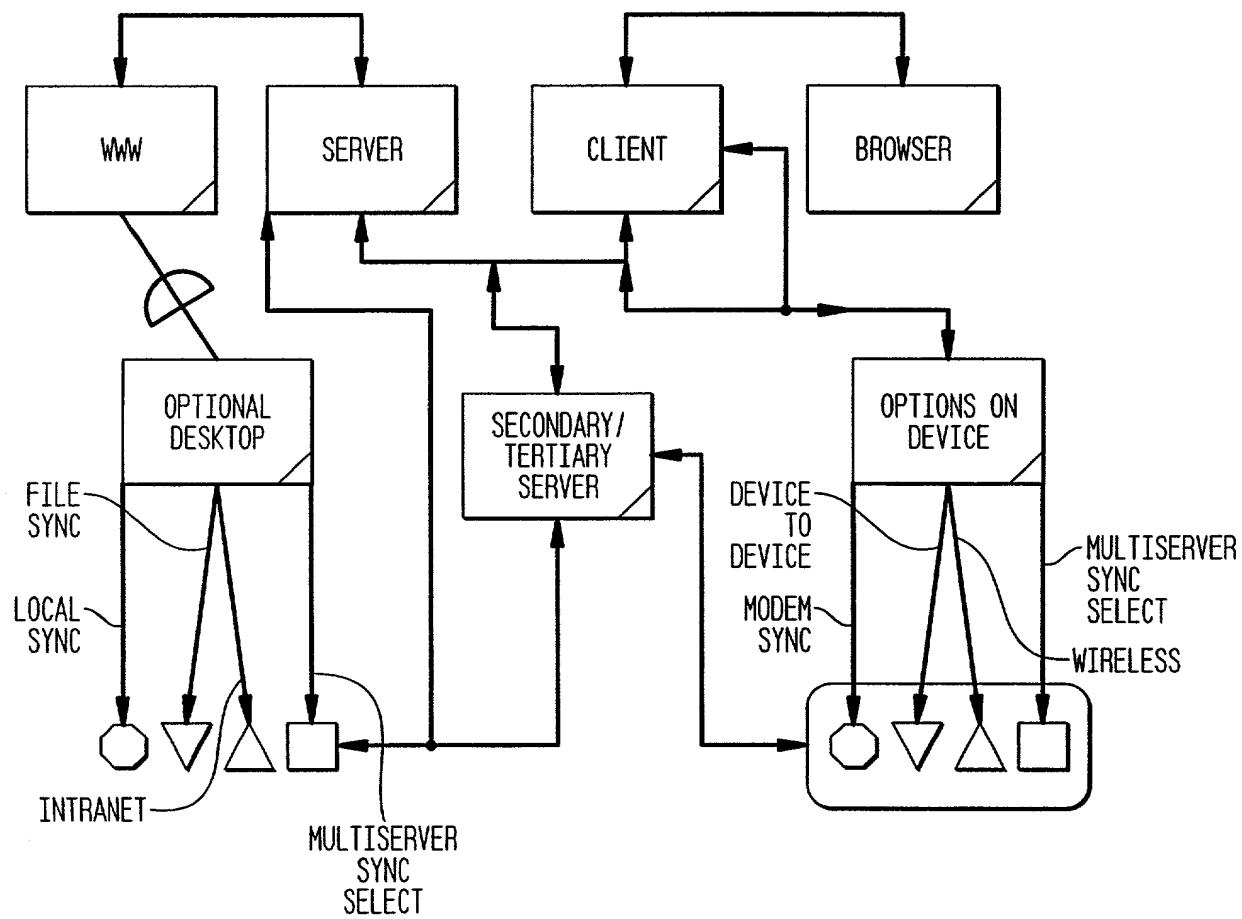


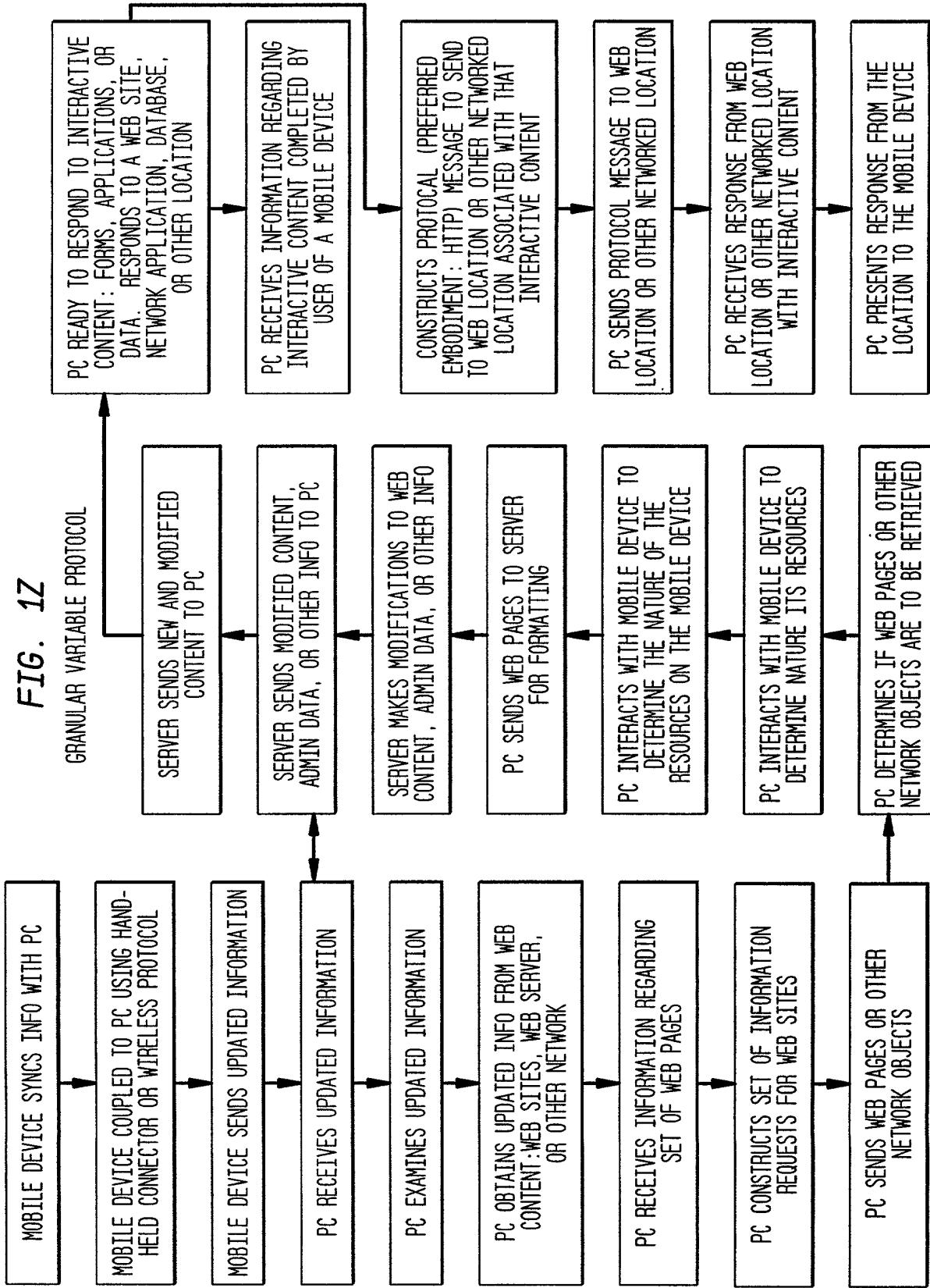
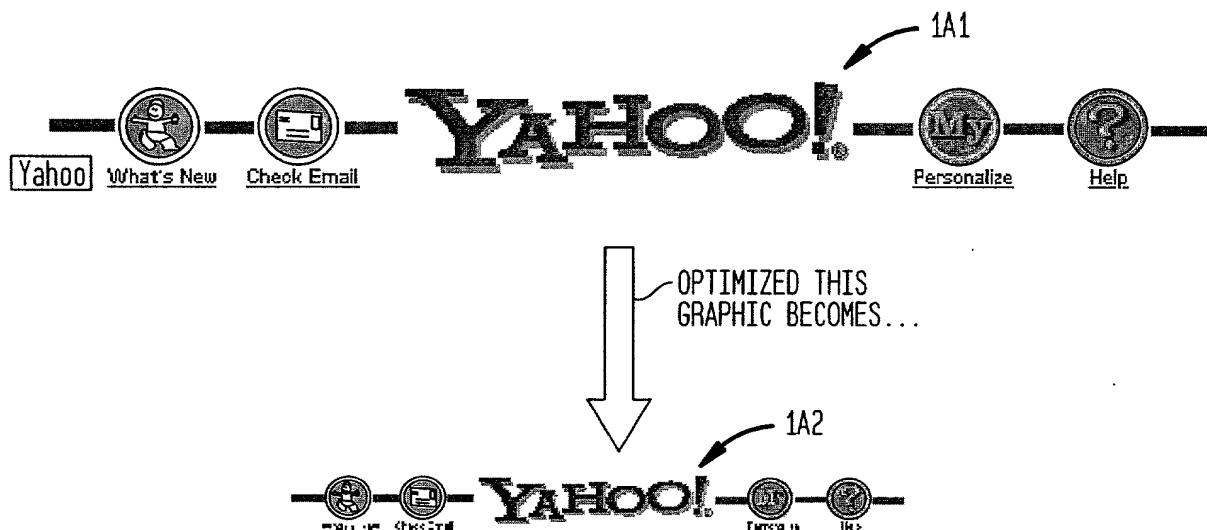
FIG. 17

FIG. 1AA

OPTMIZATION: AN EXAMPLE



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FIG. 1AB

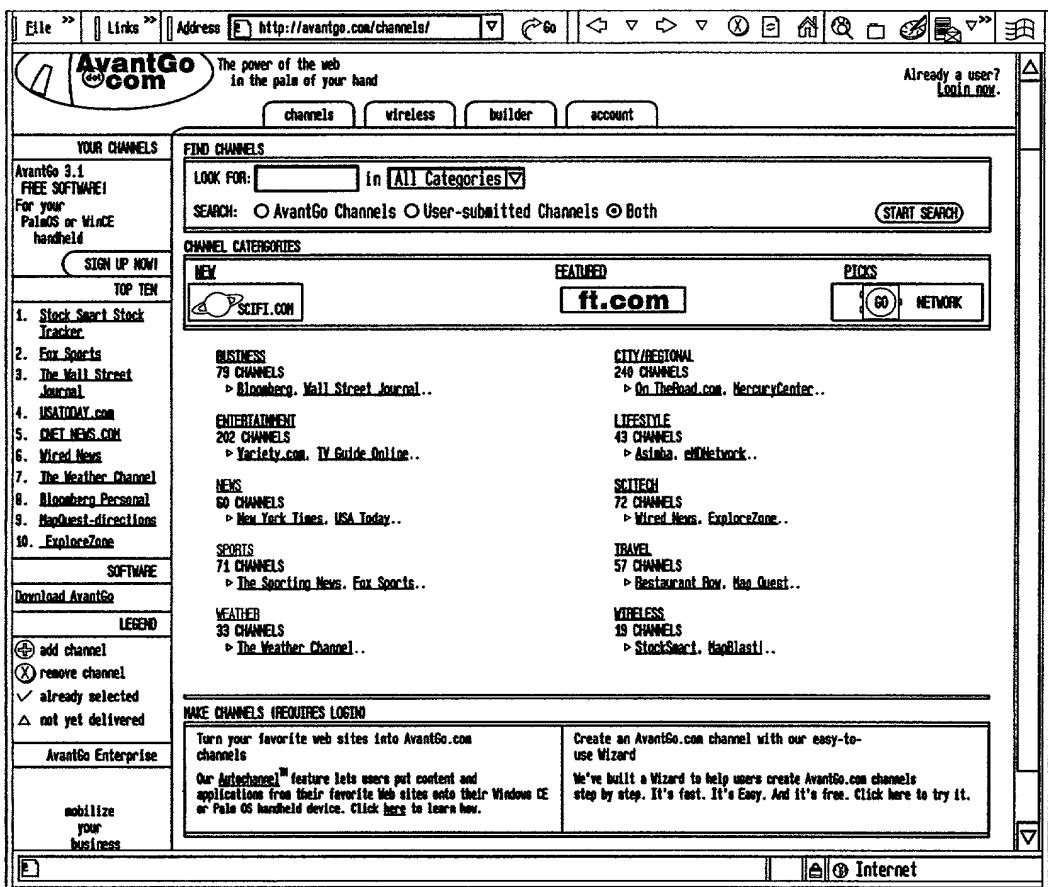


FIG. 2

160D

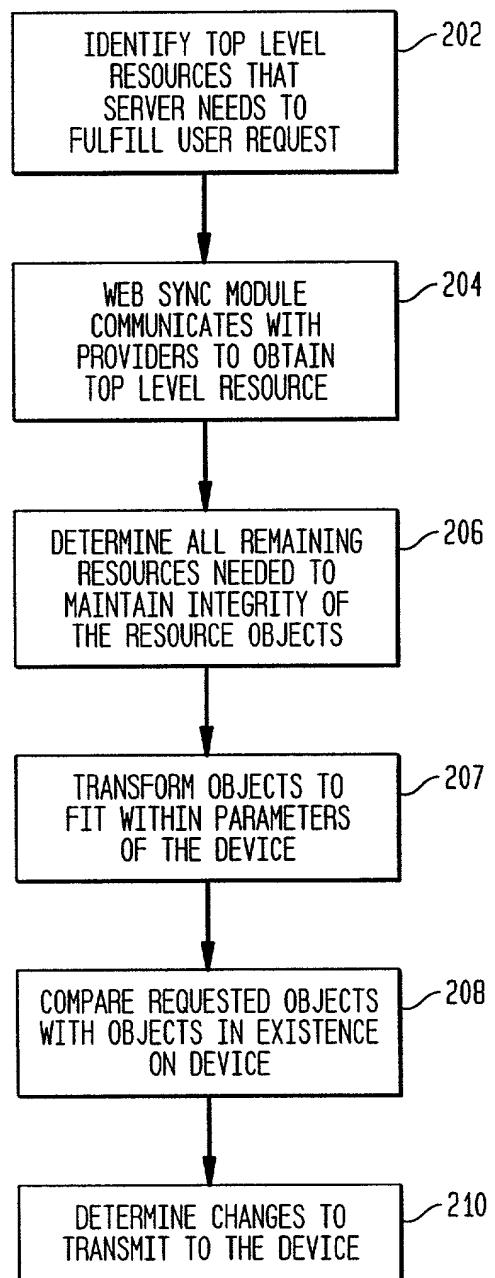


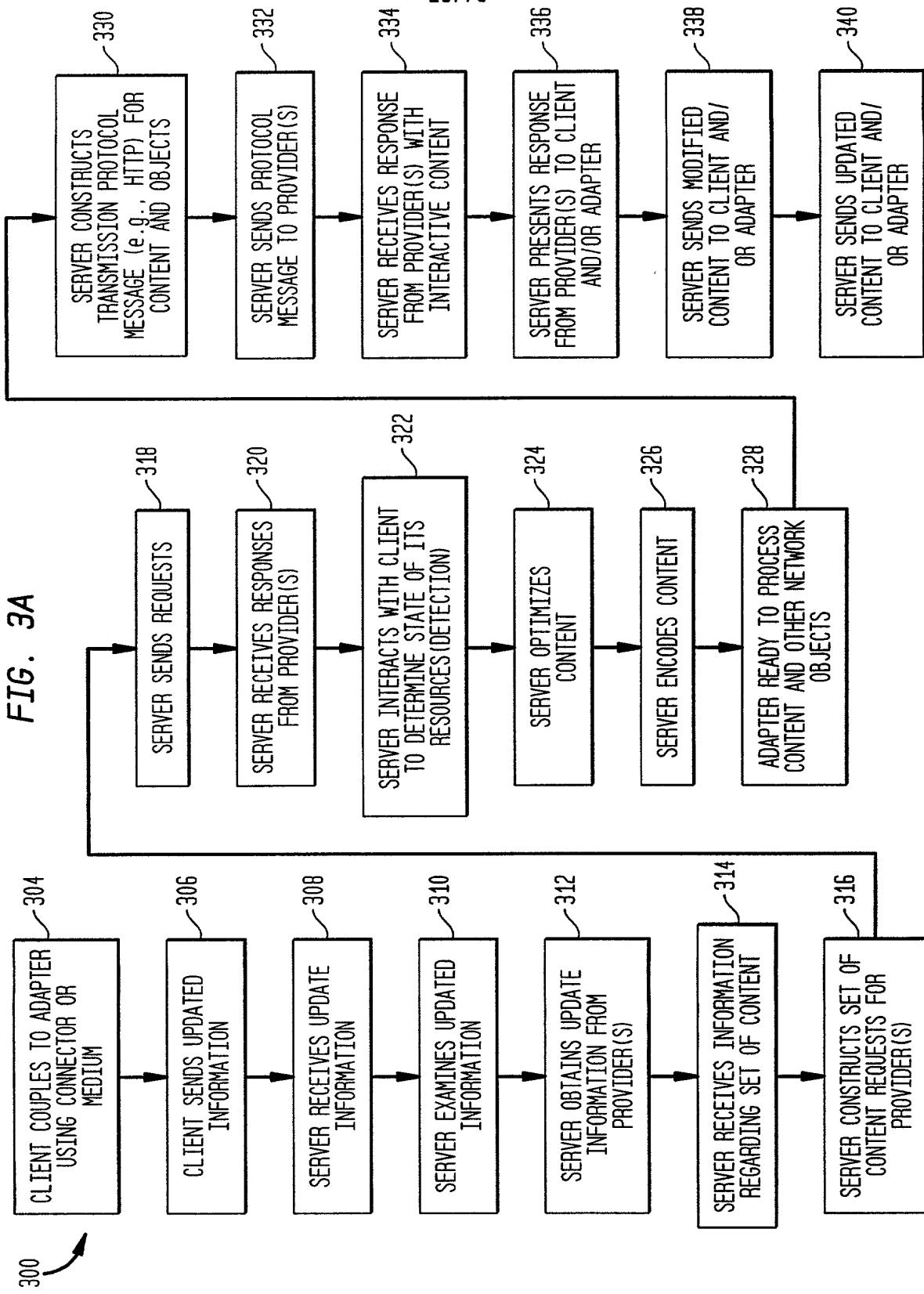
FIG. 3A

FIG. 3B

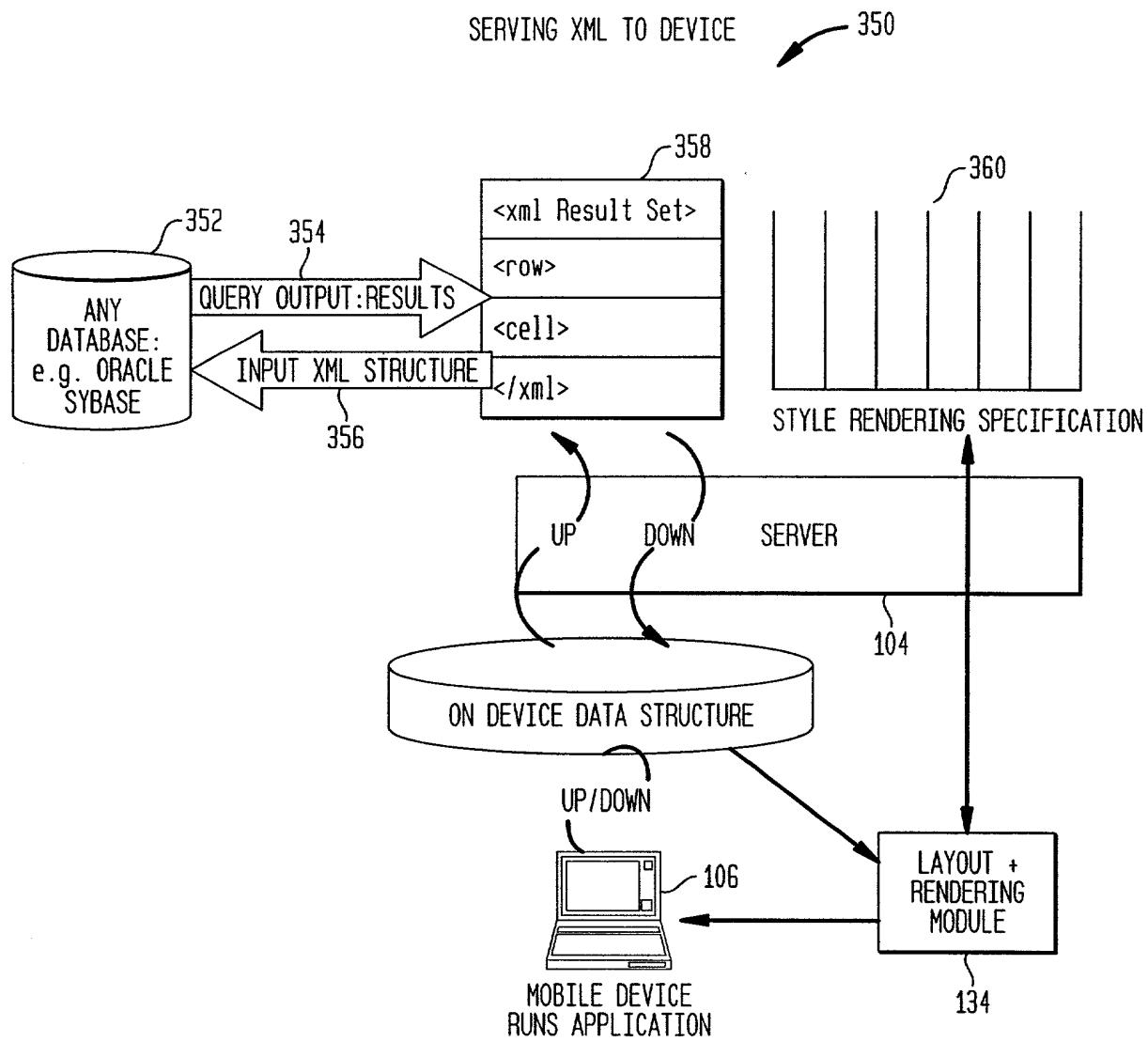


FIG. 3C

OFF-BY-ANY NUMBER SYNC RECOVERY

375

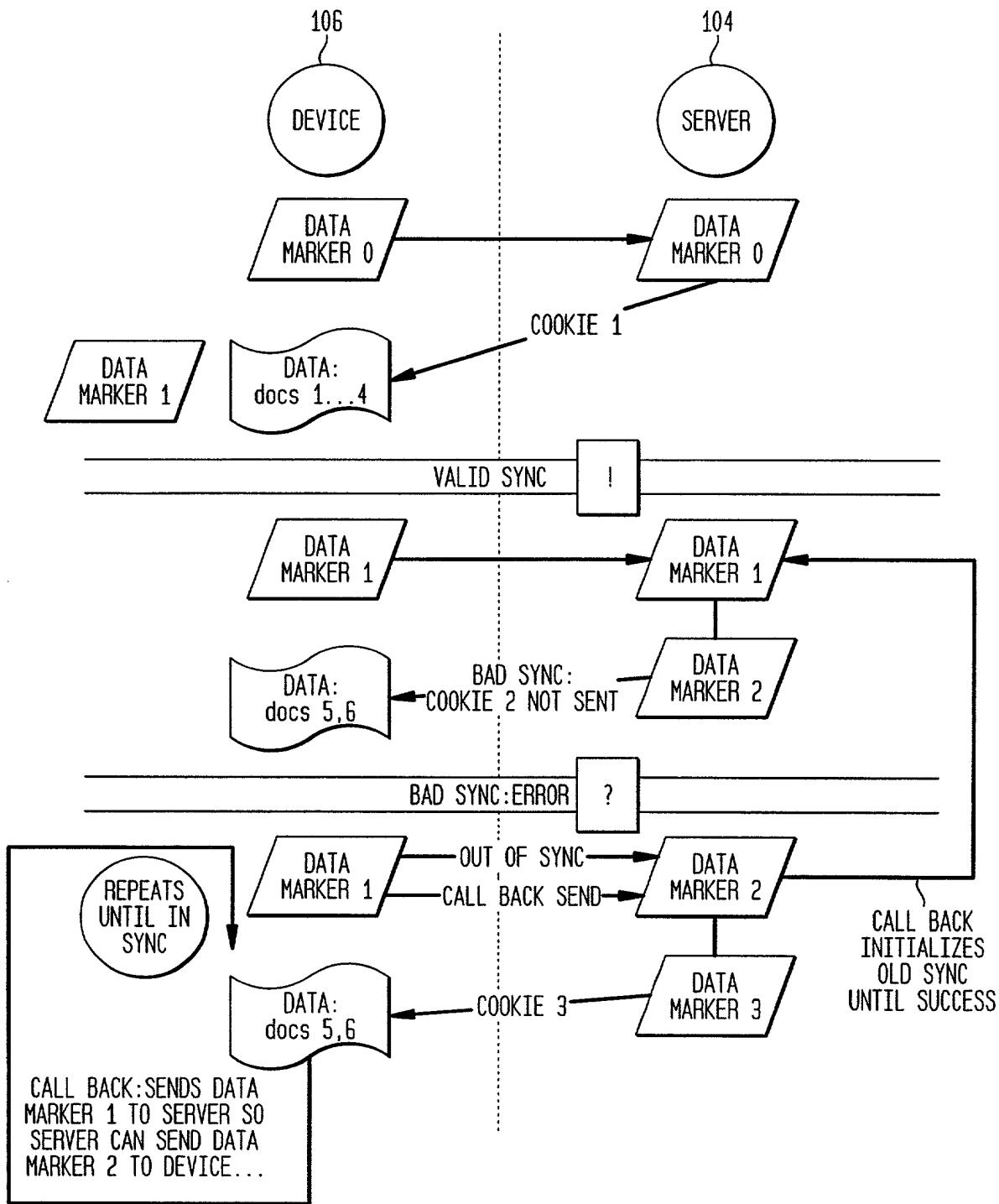


FIG. 4A

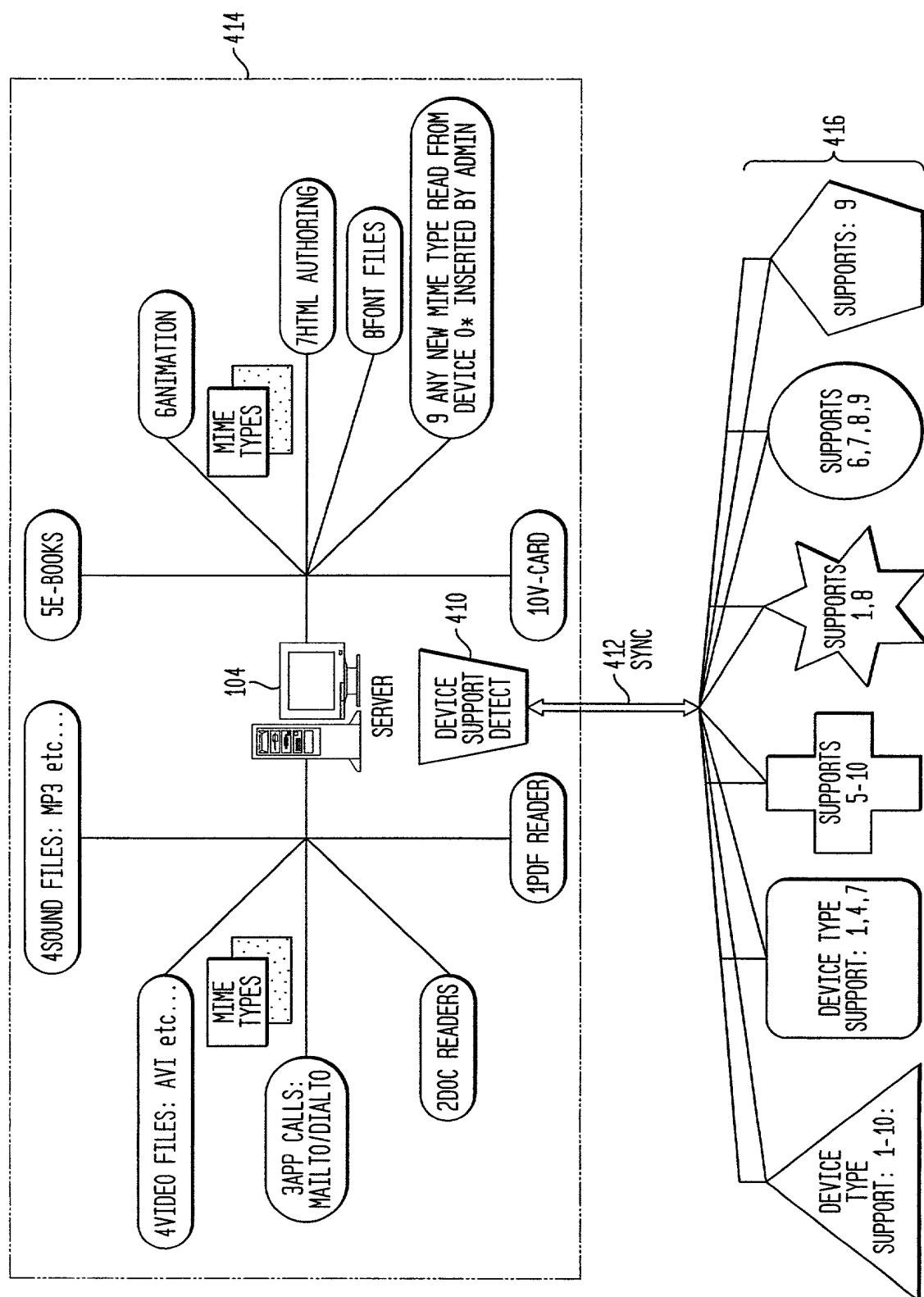


FIG. 4B

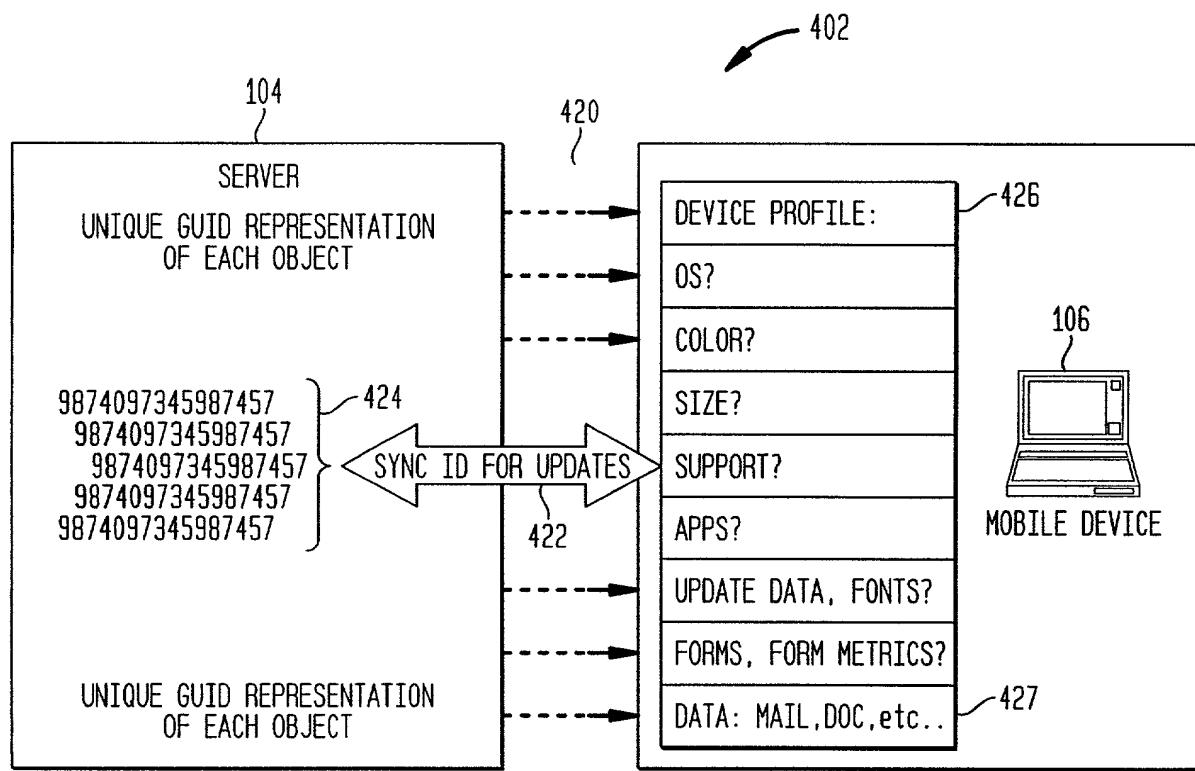


FIG. 5A

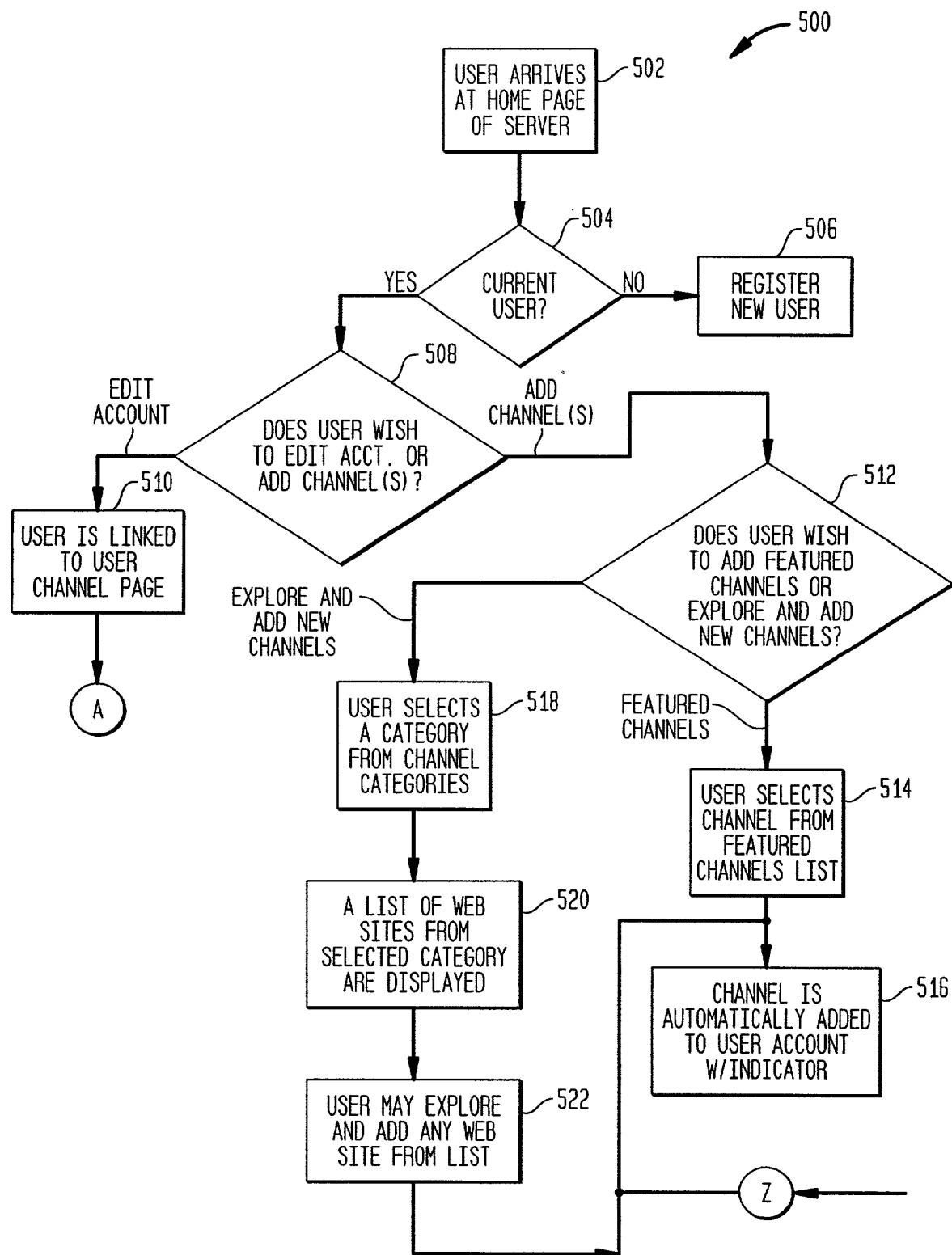


FIG. 5B

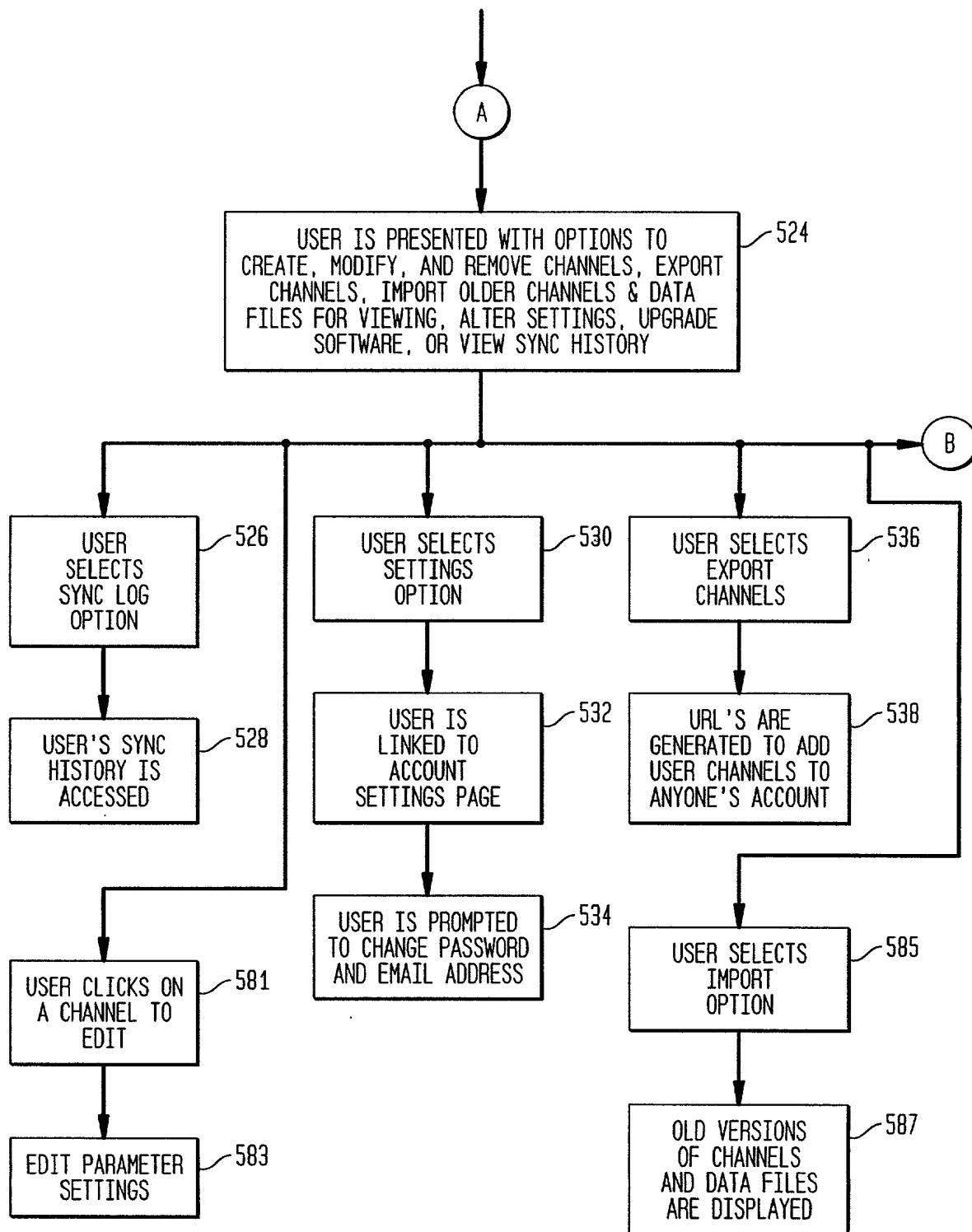


FIG. 5C

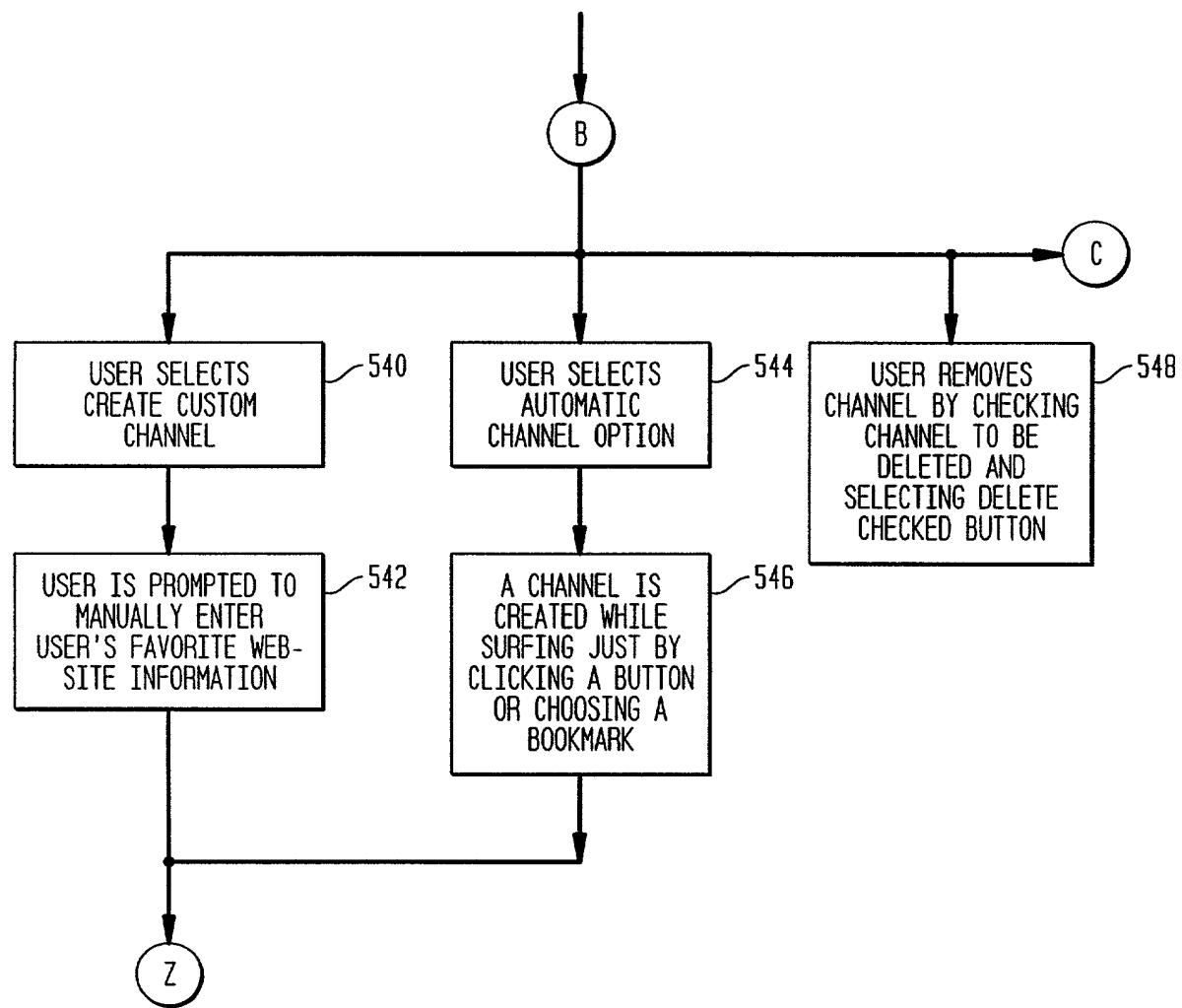


FIG. 5D

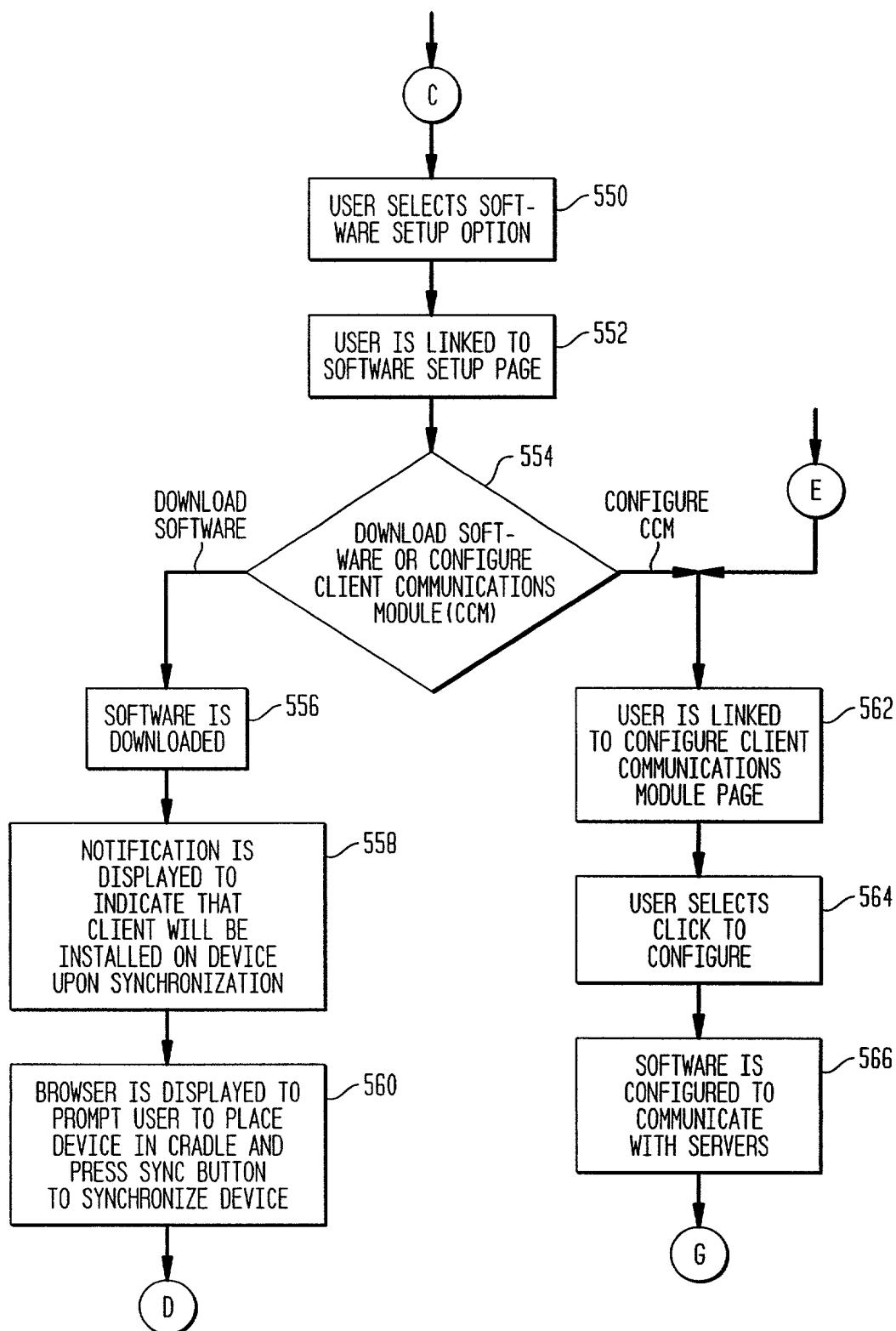


FIG. 5E

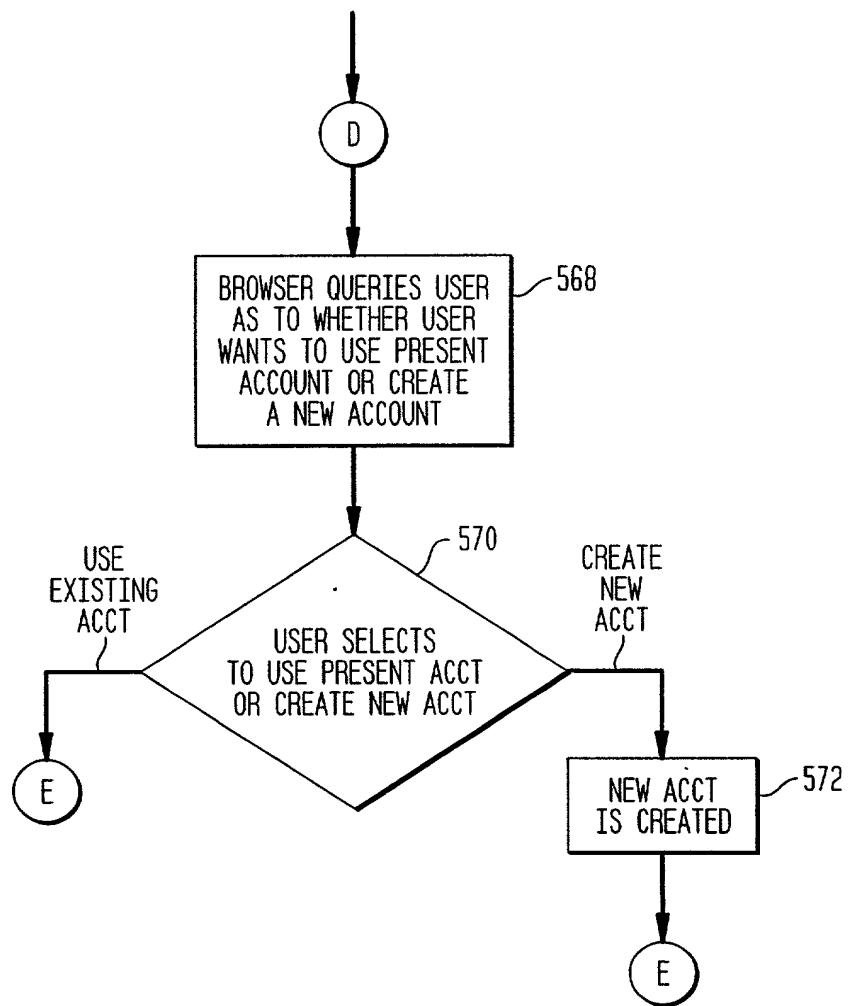


FIG. 5F

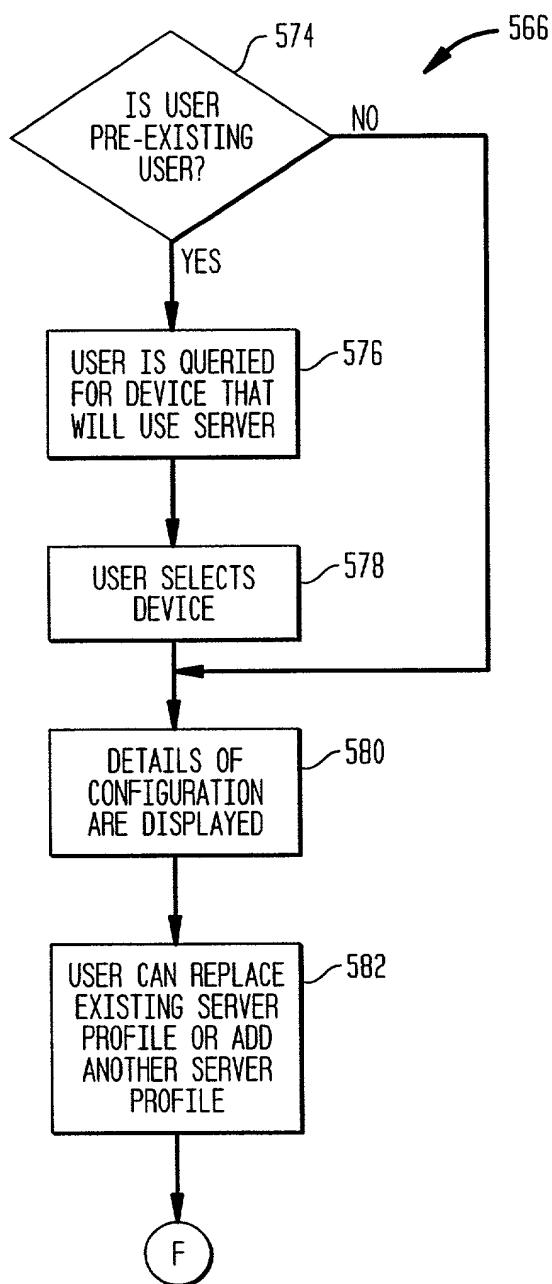


FIG. 5G

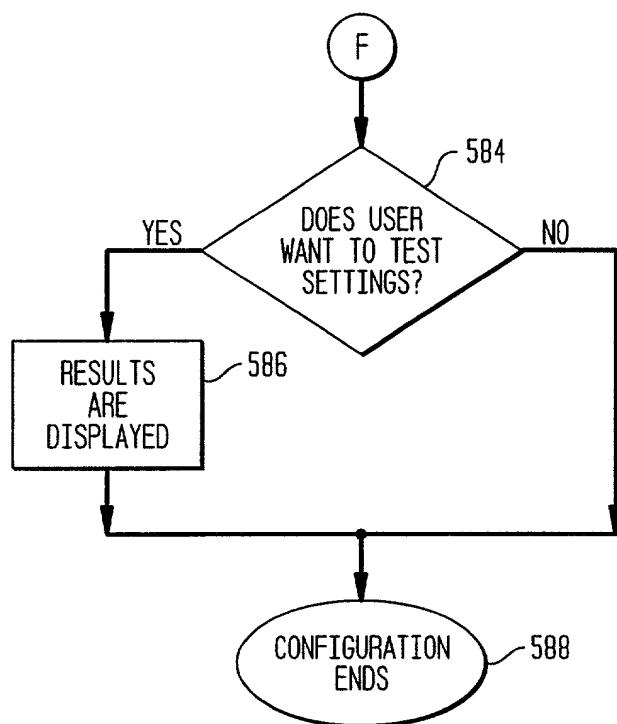


FIG. 5H

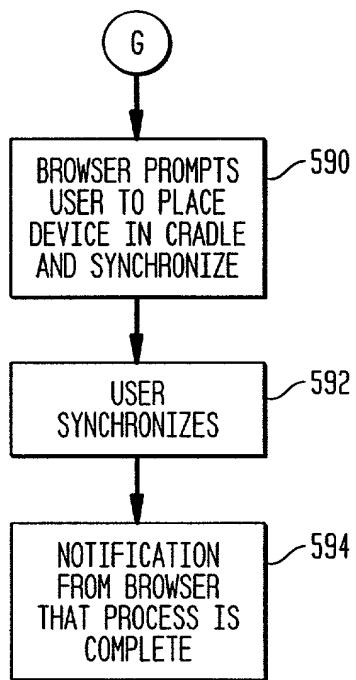


FIG. 5I

506

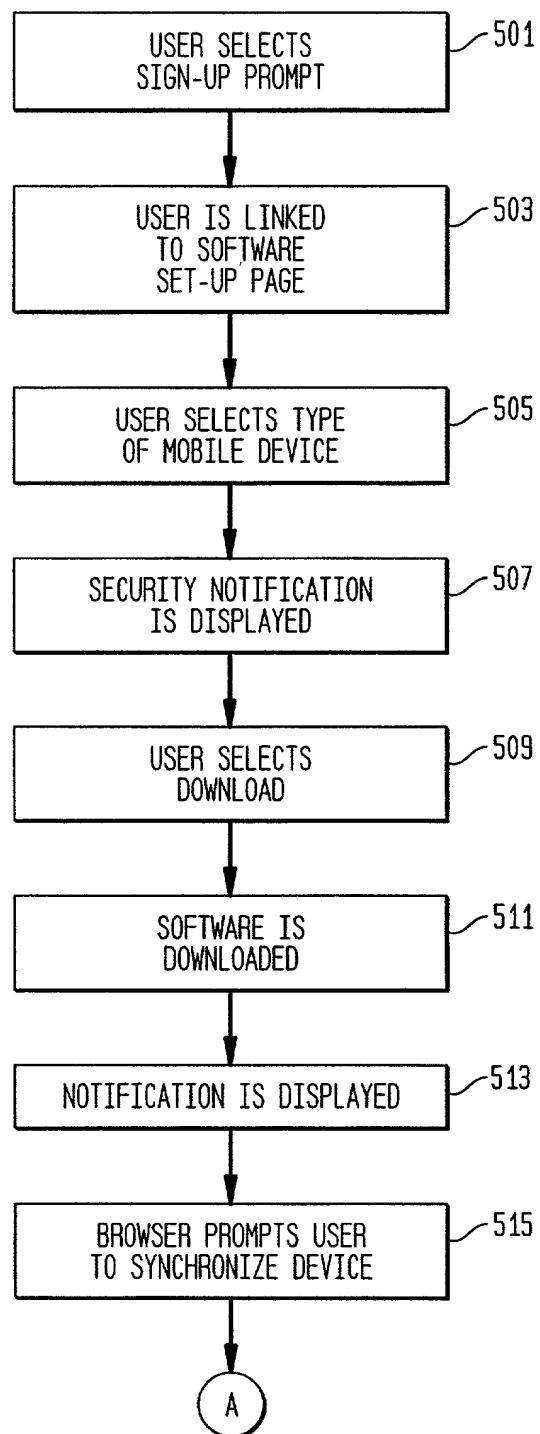


FIG. 5J

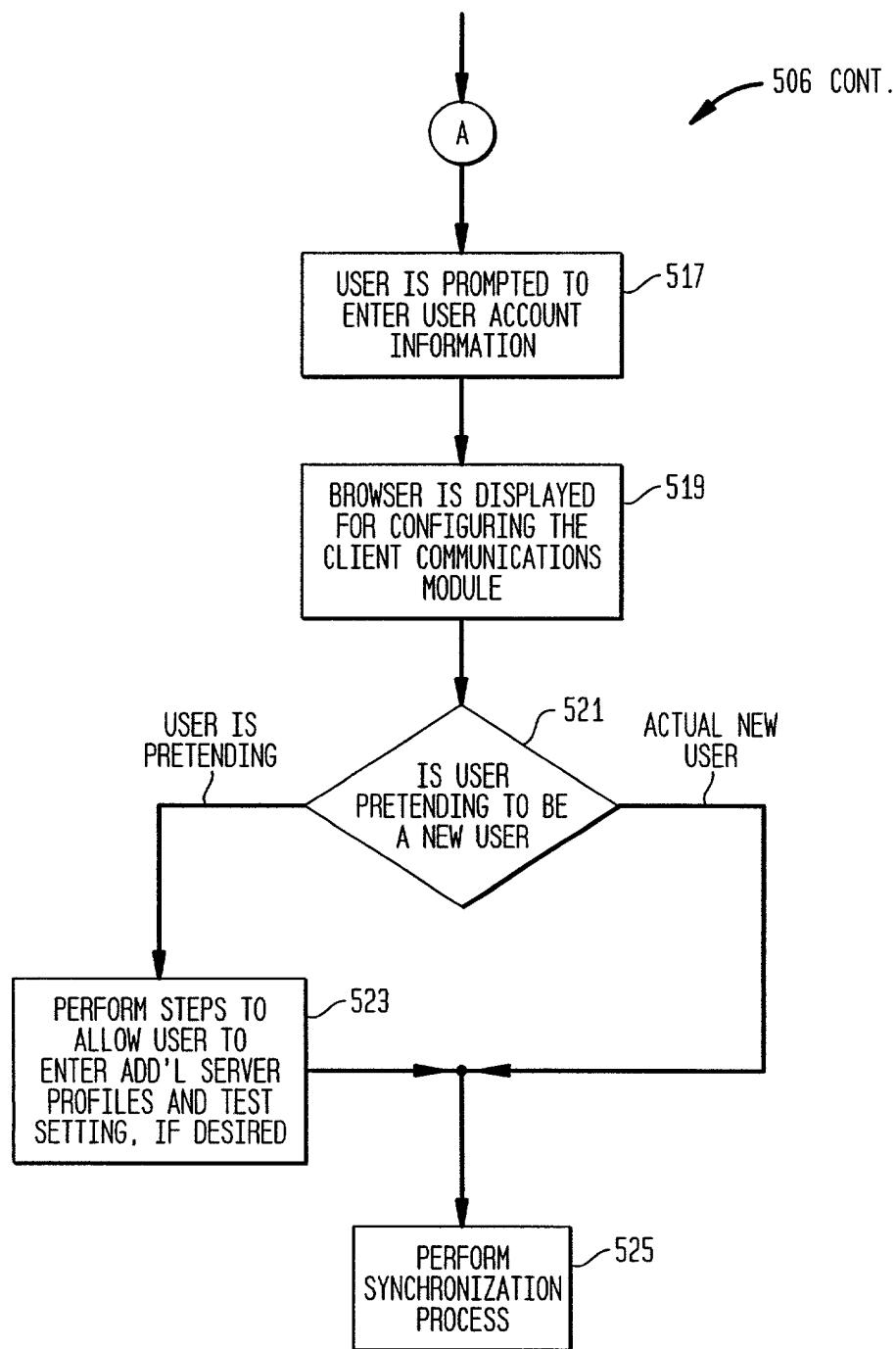


FIG. 5K

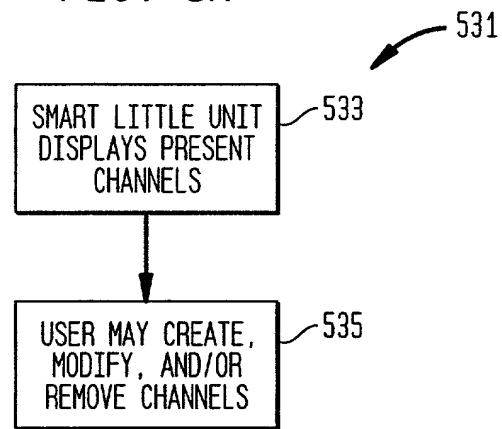


FIG. 5L

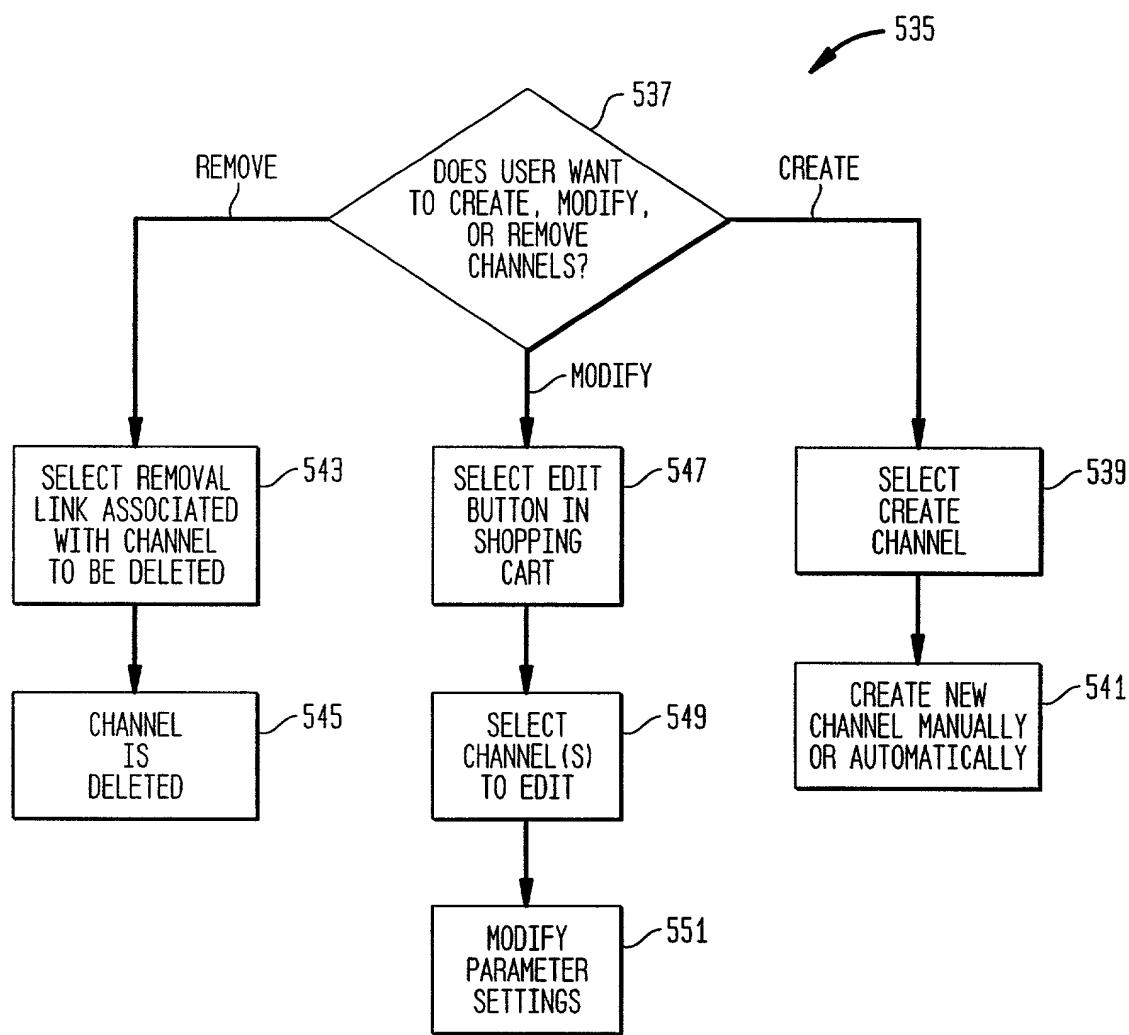


FIG. 5M

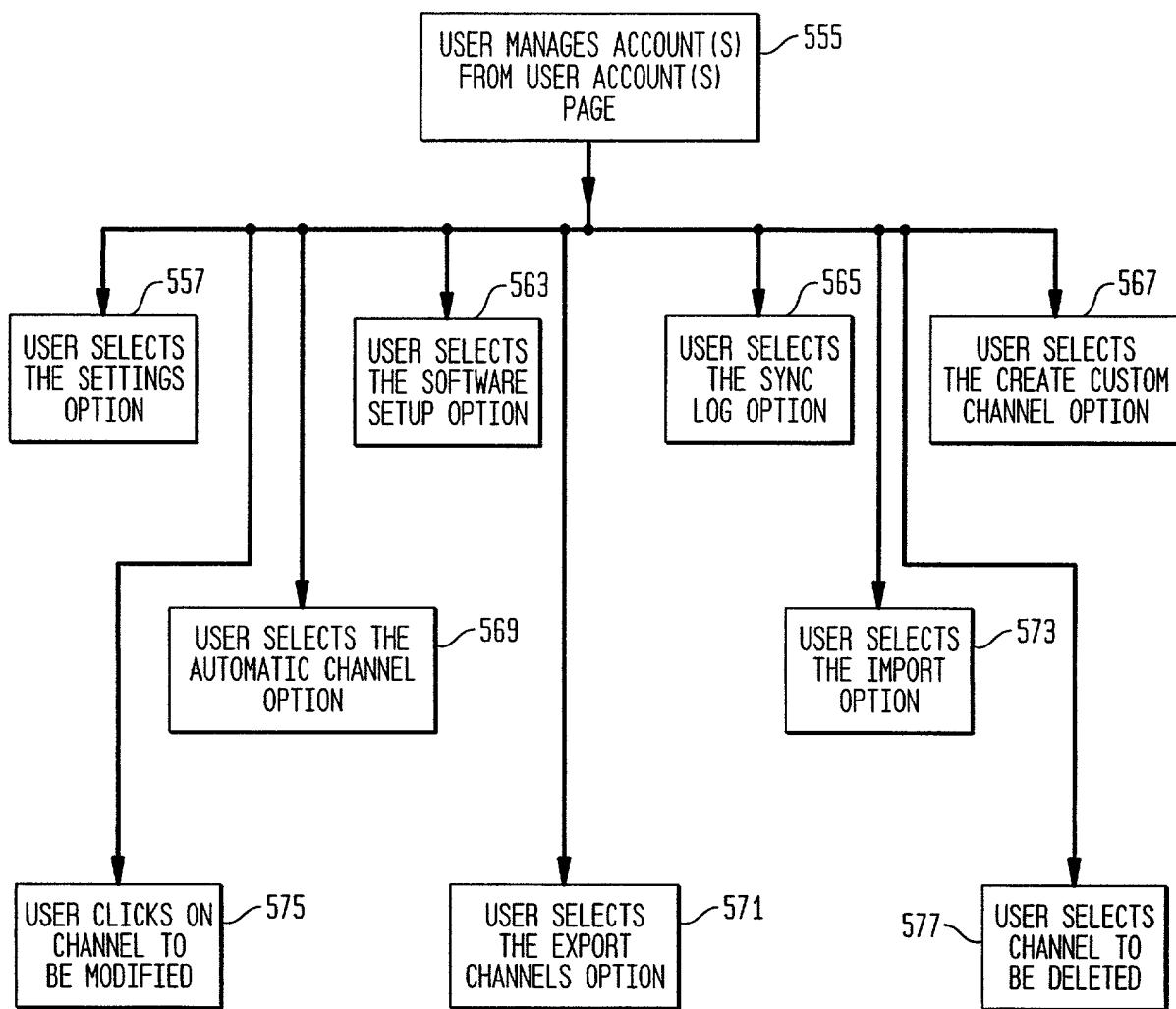


FIG. 6

FORMS MANAGER	
<input type="checkbox"/>	2:11P MAINTENANCE LOG SUCCESS
<input type="checkbox"/>	2:12P MAINTENANCE LOG SUCCESS
<input type="checkbox"/>	2:15P SERVICE REQUEST PENDING
DELETE DELETE ALL	

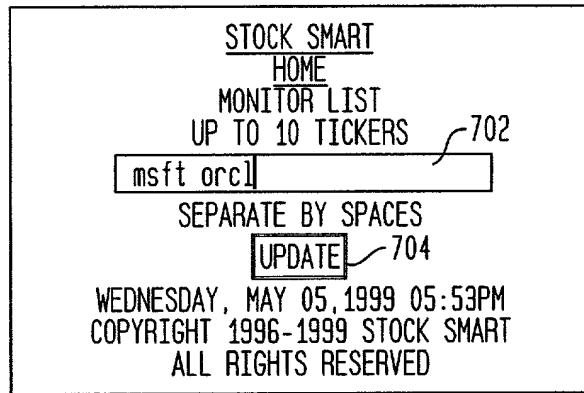


FIG. 7

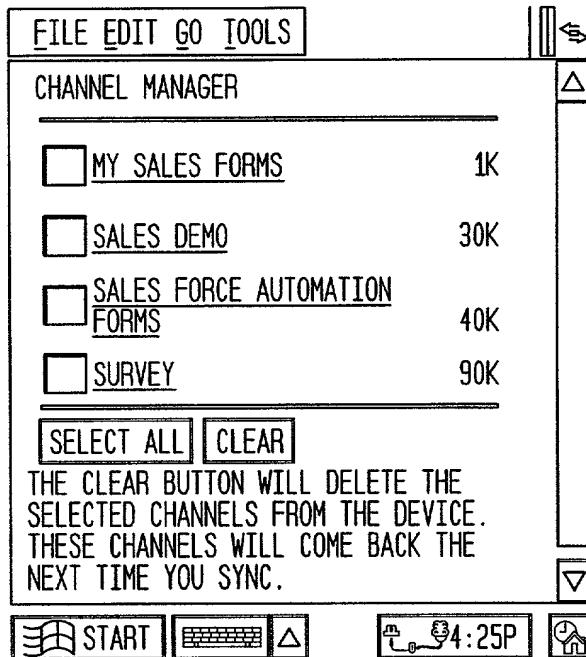


FIG. 8

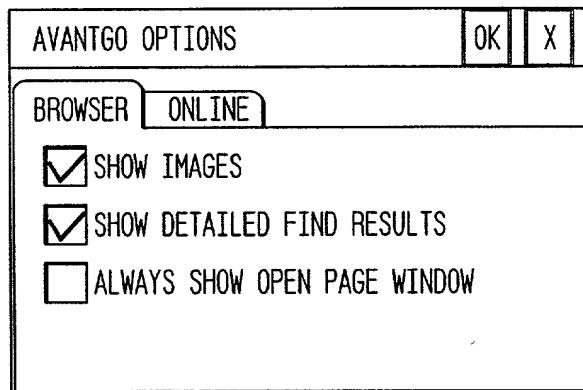


FIG. 9

FIG. 10

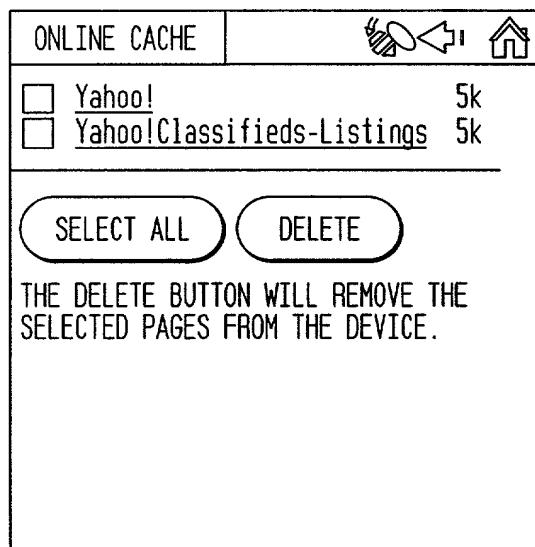


FIG. 11

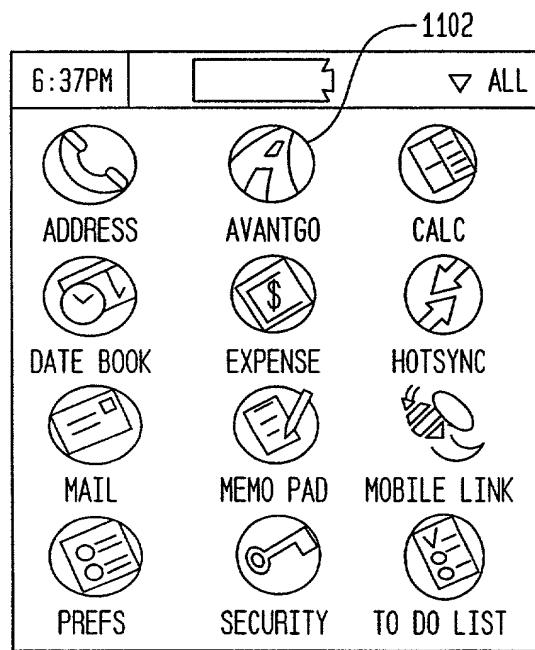


FIG. 12



FIG. 13

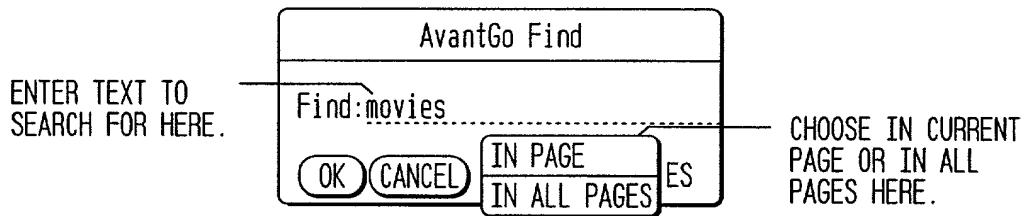


FIG. 14

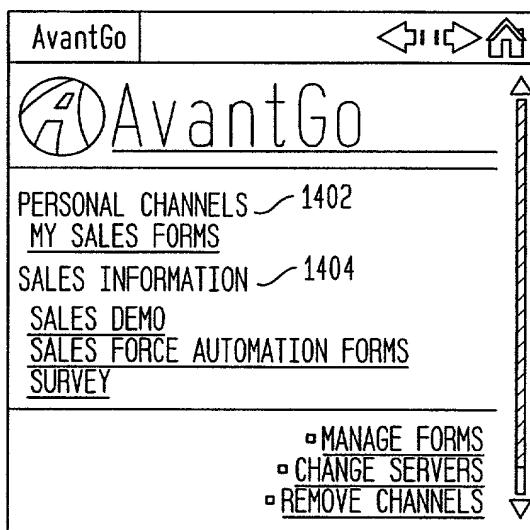


FIG. 15



AvantGo OPENS, SHOWING
YOUR CHANNELS. TAP A
CHANNEL'S NAME TO
DISPLAY IT.

FIG. 16

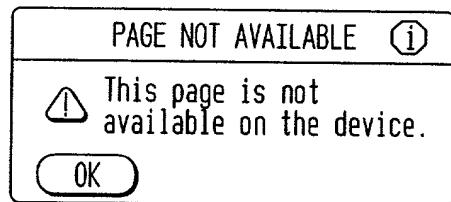


FIG. 17

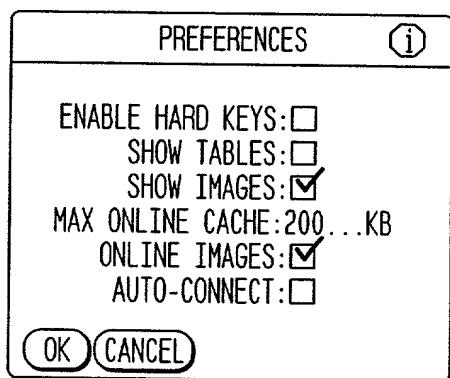


FIG. 18

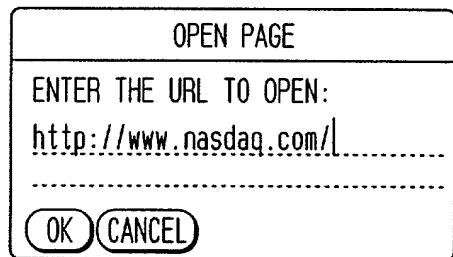
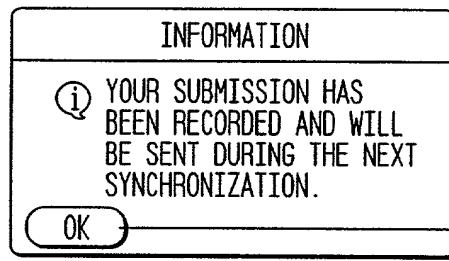


FIG. 19



CLICK HERE TO SAVE THE FORM AND SUBMIT IT THE NEXT TIME YOU SYNC.

FIG. 20

INVENTORY

ACME INVENTORY

MONDAY, 15 FEB 1999

PRODUCT	IN STOCK	BACK ORDERED
PX11 DELUXE	300	0
SUPER V6	10	30
XX36 TWIN TURBO	22	200

SPACE USED EFFICIENTLY

ATTRACTIVE GRAPHICS ENHANCE READABILITY

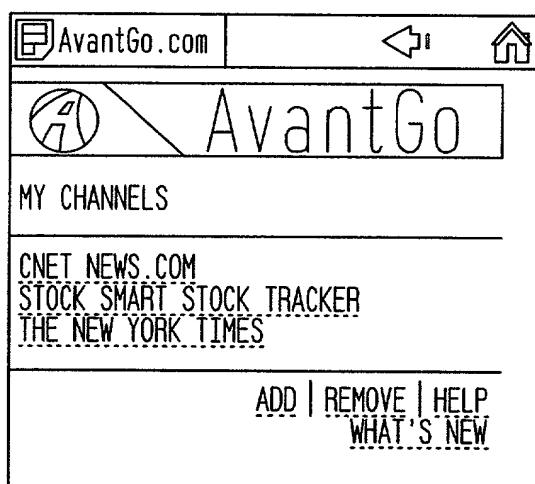
TABLES ARRANGED NEATLY

FIG. 21



INCREASE FONT

FIG. 22



DECREASE FONT

FIG. 23

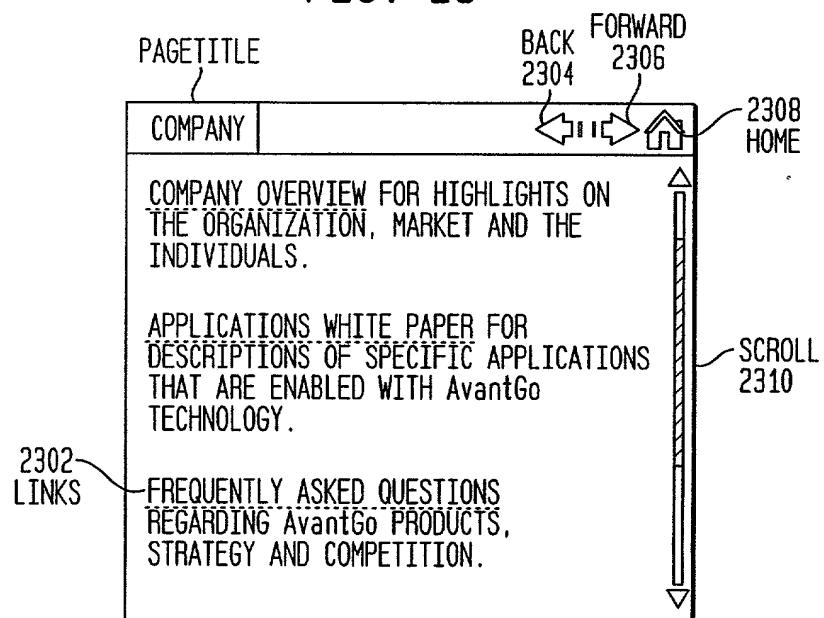


FIG. 24

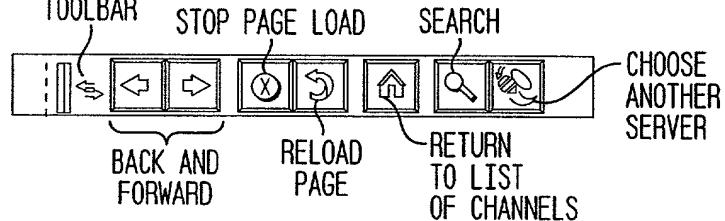


FIG. 25

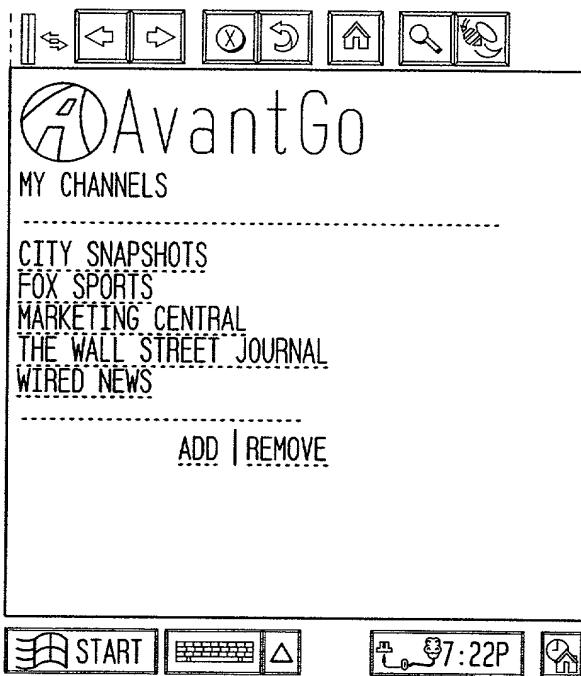
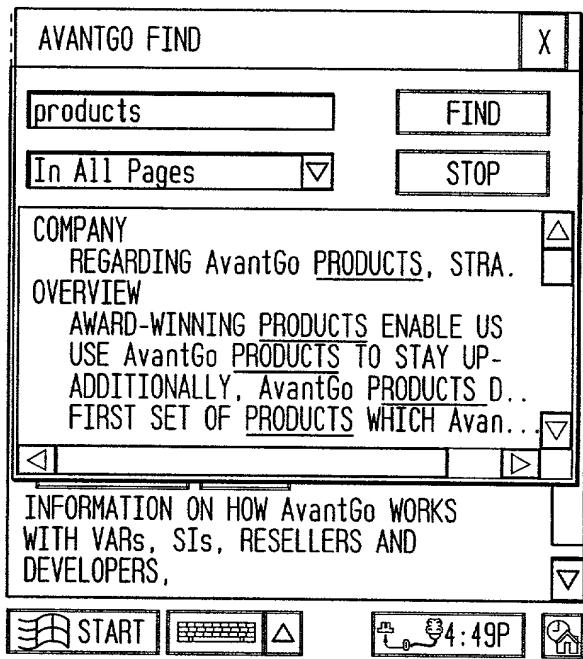


FIG. 26



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FIG. 27

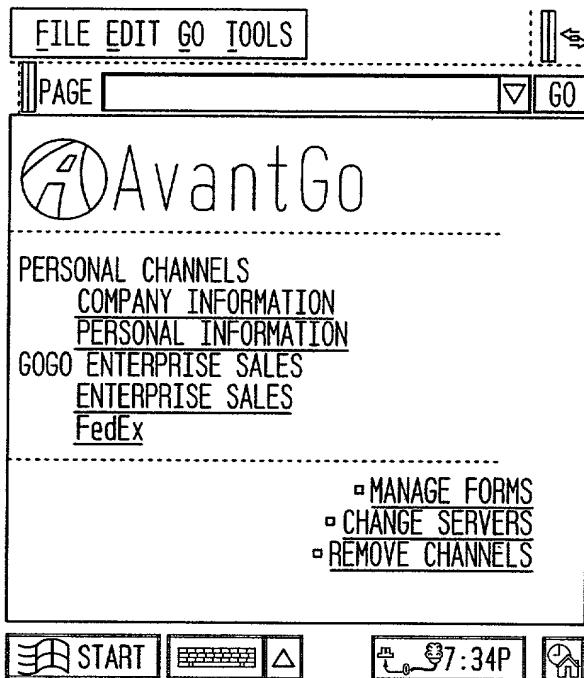
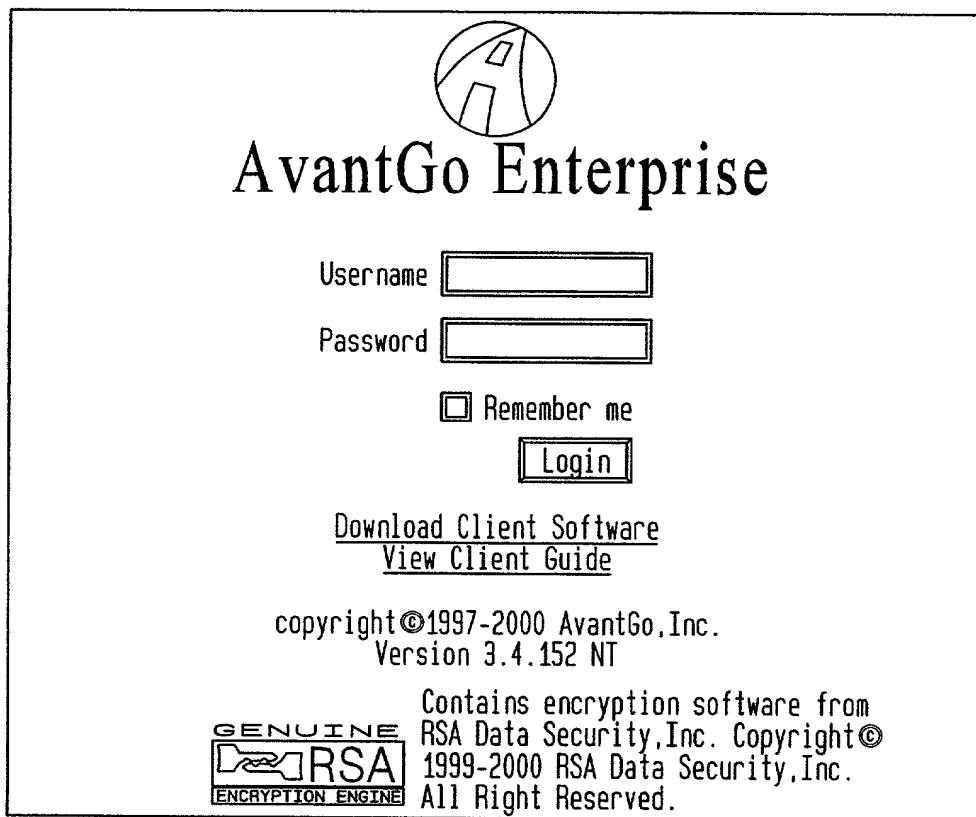


FIG. 28



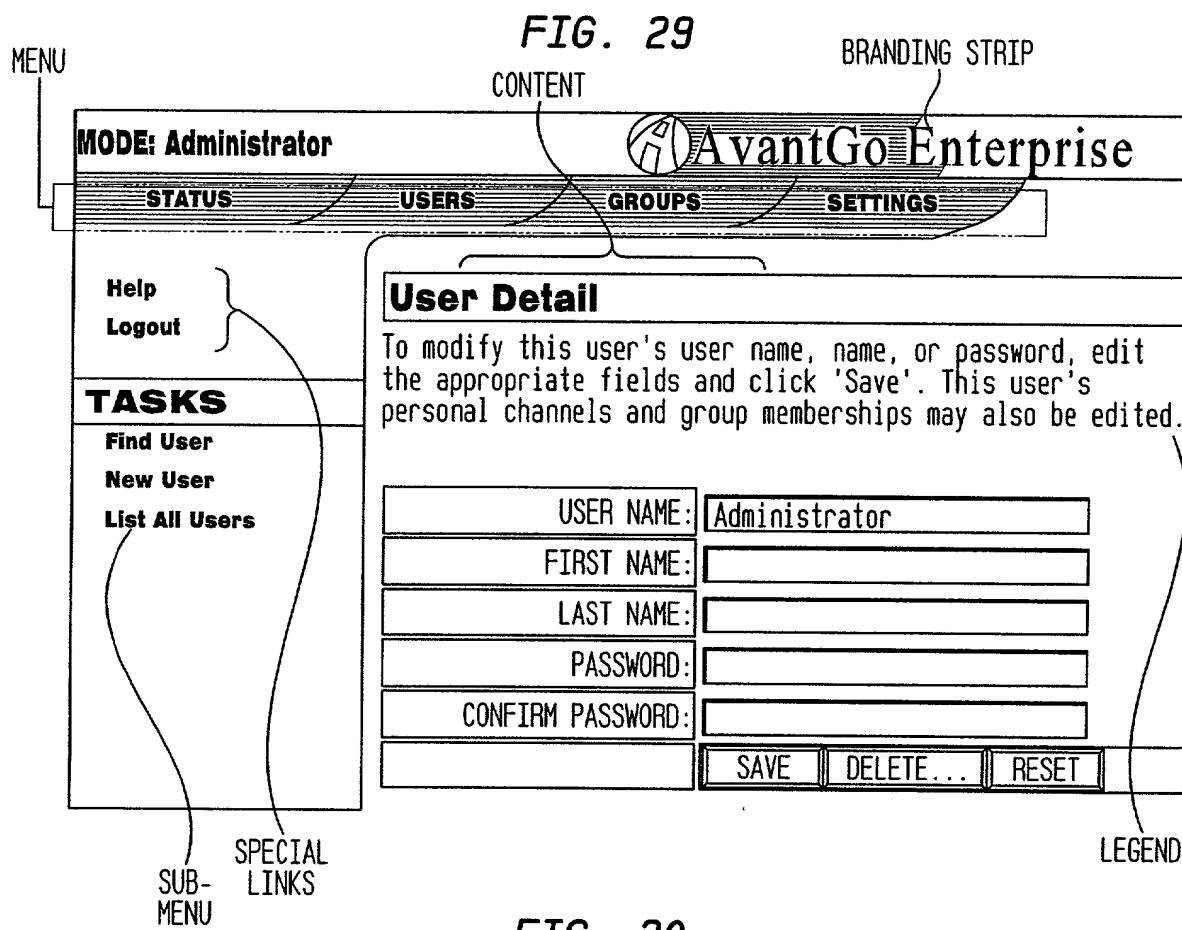


FIG. 30

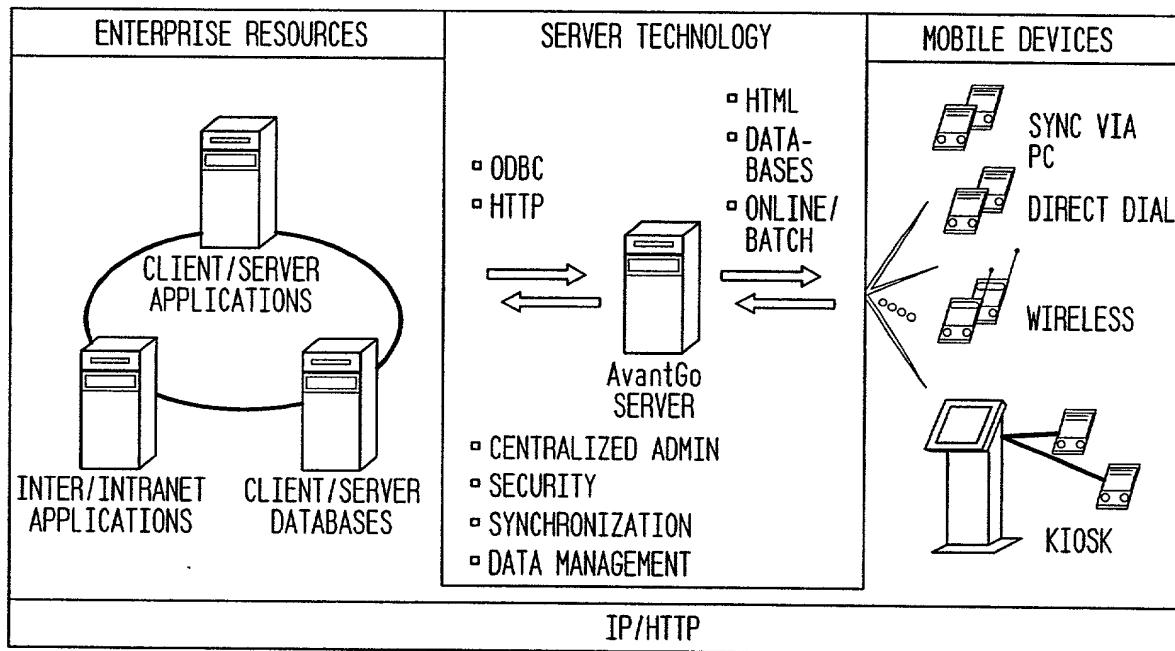


FIG. 31

ENTER: http://
syncdemo.avantgo.com/
sfa_3_1/

ENTER: TUTORIAL

CLICK VIEW TO VIEW/TEST THE
ADDRESS OF YOUR CHANNEL

New Channel for User MobileUser

TITLE:	Untitled
LOCATION:	http:// <input type="button" value="VIEW"/>
CHANNEL SIZE LIMIT:	100
LINK DEPTH:	0
INCLUDE IMAGES:	<input type="checkbox"/>
FOLLOW OFF-SITE LINKS:	<input type="checkbox"/>
ALLOW BINARY DISTRIBUTION	<input type="checkbox"/>
HIDE FROM USERS	<input type="checkbox"/>
SEND URLs	<input type="checkbox"/>
REFRESH:	<input type="radio"/> only once <input checked="" type="radio"/> every sync <input type="radio"/> hourly every <input type="text" value="0"/> hour(s) <input type="checkbox"/> only <input type="radio"/> daily <input type="text" value="12"/> <input type="button" value="▼"/> <input type="text" value="00"/> <input type="button" value="▼"/> <input type="radio"/> AM <input type="radio"/> PM
on days:	
<input checked="" type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input checked="" type="checkbox"/> Friday <input checked="" type="checkbox"/> Saturday <input checked="" type="checkbox"/> Sunday	
<input type="button" value="CREATE"/> <input type="button" value="RESET"/> <input type="button" value="CANCEL"/>	

CLICK THE CREATE BUTTON

ENTER: 100

ENTER: 3

LEAVE THESE FIELDS UNCHECKED

CLICK THE ONLY ONCE OPTION

FIG. 32

Refresh:

- on every sync
- every hour(s)
- only once
- daily at : on following days:
 - Monday
 - Tuesday
 - Wednesday
 - Thursday
 - Friday
 - Saturday
 - Sunday

When finished, click the "Save Channel" button: **FIG. 33****Update User Membership for Group Travel Itinerary**

Manage this group's user memberships by selecting/deselecting the user check boxes and clicking update. To view information about a particular user, click the hyperlink name of the user.

USER NAME:	<input type="text"/>
FIRST NAME:	<input type="text"/>
LAST NAME:	<input type="text"/>
	<input type="button" value="FIND USER"/>

Search Results

USER NAME:	NAME:	
<input type="checkbox"/> Joja	John Jack	
<input checked="" type="checkbox"/> Natalie	Natalie Doe	
<input type="checkbox"/> new	new test	
<input type="button" value="Update"/>	<input type="button" value="Reset"/>	<input type="button" value="Return to Group"/>

FIG. 34

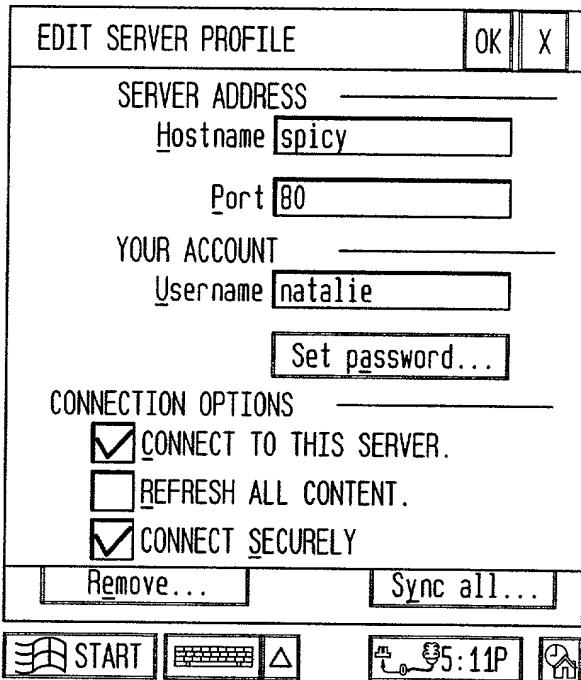


FIG. 35

MODE: Administrator

STATUS USERS GROUPS SETTINGS AvantGo Enterprise Ver.3.2 Build 72

Help Logout

TASKS

- [Find User](#)
- [New User](#)
- [List All Users](#)

Modify Channels of Natalie

For more information or to modify or delete a specific channel, click on the title. To create a new personal channel, click the New Personal Channel link on the left.

Title	Total Size	Last Sync
Personal Channels		
Enterprise Intranet		
Federal Express	0	Never Synced
GoGo Enterprise Sales		
Enterprise Intranet for Sales	7	Wed Oct 06, 1999 12:32:55
FedEx	93	Wed Oct 06, 1999 12:32:55
Sales Force Automation Forms	18	Wed Oct 06, 1999 12:32:55
Travel Itinerary	Total: 118KB	

Recent Sync History

The three most recent synchronizations are logged below. More information can be found in the [Complete Sync History](#).

- [Wed Oct 06, 1999 12:32:44] (12 seconds)
HTTP/1.1 404 File not found(404)-http://localhost/device/brand/avantgo/images/device/CE_header.gif
- [Wed Oct 06, 1999 12:32:34] (0 seconds)
completely out of sync, resequencing...
- [Wed Oct 06, 1999 12:31:35] (13 seconds)
HTTP/1.1 404 File not found(404)-http://localhost/device/brand/avantgo/images/device/CE_header.gif

During synchronization, the server updates existing channels and pages with modifications only. Clearing the channel cache will force all the channels and pages to be transferred to the device during the next synchronization.

Cookies containing profile information about you are placed in your user profile by the sites that you visit. Clearing the cookies database may remove personalized information stored on your computer by the web servers that you visit. Clearing cookies will disable the "remember me" feature from the login page!

Some web servers require you to supply a user name and password to access the site. The server caches this authentication information and supplies it to the web server during synchronization. Clearing the authentication database will usually require you to re-enter your user name and password the next time you visit a site that requires authentication.

FIG. 36

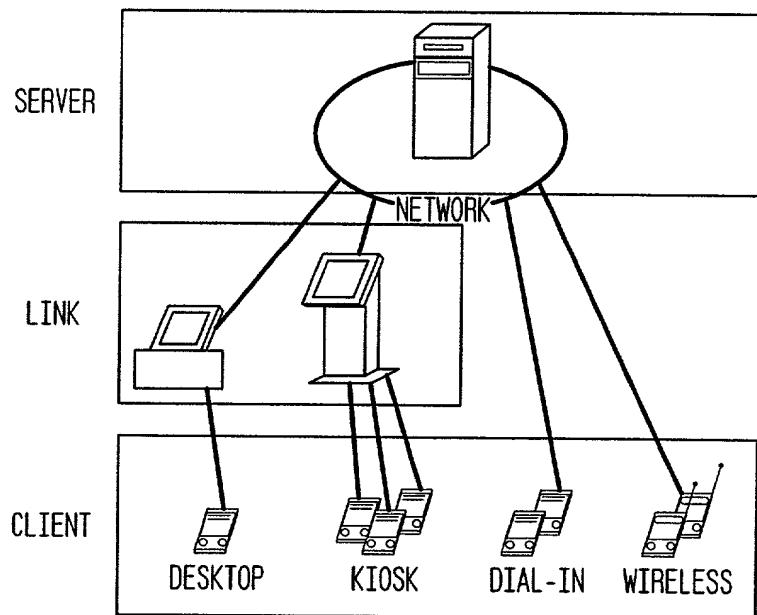


FIG. 37

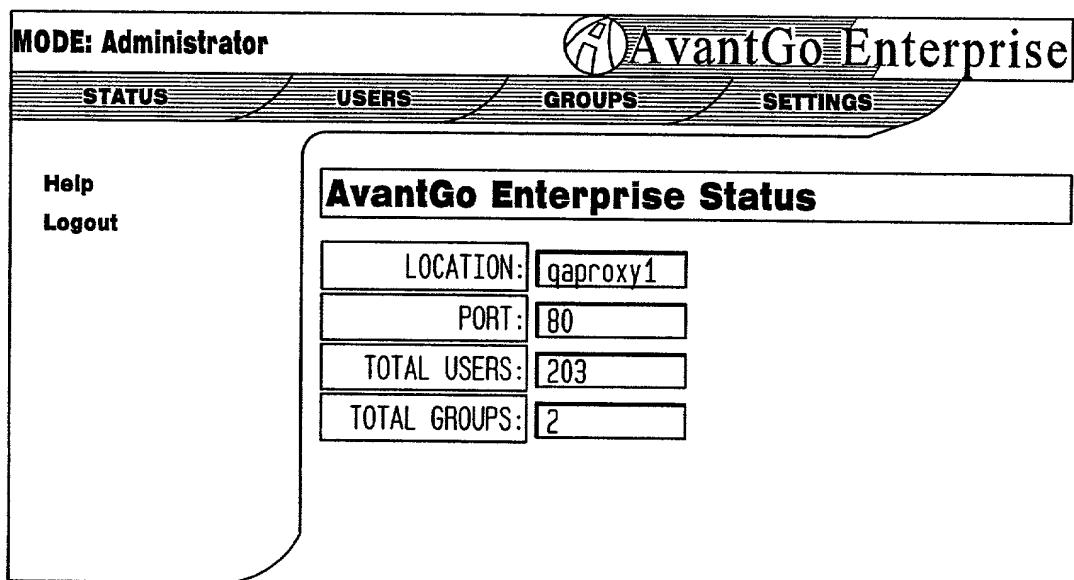


FIG. 38

MODE: Administrator

AvantGo Enterprise

3.4.152 N

Help Logout TASKS Find User New User List All Users	USERS GROUPS SETTINGS
---	--

Users

To find a user, enter the user information that you know and click Search.

USER NAME:	<input type="text"/>
FIRST NAME:	<input type="text"/>
LAST NAME:	<input type="text"/>
<input type="button" value="SEARCH"/> <input type="button" value="RESET"/>	

Search Results

USER NAME:	NAME:
<u>aabernathy</u>	Andrea Abernathy
<u>acrossland</u>	Adam Crossland
<u>aculver</u>	Ann Culver

FIG. 39

MODE: Administrator

AvantGo Enterprise

3.4.152 NT

Help Logout TASKS Find User New User List All Users	USERS GROUPS SETTINGS
---	--

User Detail

To modify this user's user name, name, or password, edit the appropriate fields and click 'Save'. This user's personal channels and group memberships may also be edited.

Adam Crossland

USER NAME:	<input type="text" value="acrossland"/>
FIRST NAME:	<input type="text" value="Adam"/>
LAST NAME:	<input type="text" value="Crossland"/>
PASSWORD:	<input type="text"/>
CONFIRM PASSWORD:	<input type="text"/>
<input type="button" value="SAVE"/> <input type="button" value="DELETE..."/> <input type="button" value="RESET"/>	

FIG. 40

STATUS	USERS	GROUPS	SETTINGS	3.4.152 NT																
Help Logout TASKS <ul style="list-style-type: none"> List All Groups New Group 	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Modify Group test group 1 <p>Modify this group's name and description by editing the fields and clicking Save. To manage this group's users or channels, click 'Add/Remove Users'. To create a channel for this group, click 'New Group Channel'. To edit this group's channel, click on its name.</p> <table border="1" style="margin-top: 10px; width: 100%;"> <tr> <td>NAME:</td> <td>test group 1</td> </tr> <tr> <td>DESCRIPTION:</td> <td>test</td> </tr> <tr> <td colspan="2" style="text-align: center;"> <input type="button" value="SAVE"/> <input type="button" value="DELETE..."/> <input type="button" value="RESET"/> </td> </tr> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Group Members <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">USER NAME:</td> <td style="width: 50%;">NAME:</td> </tr> <tr> <td>drice</td> <td>David Rice</td> </tr> <tr> <td>dylan</td> <td>Dylan McDanniel</td> </tr> <tr> <td>rafael</td> <td>Rafael Weinstein</td> </tr> <tr> <td>robert</td> <td>Robert Otani</td> </tr> </table> <input style="width: 100%;" type="button" value="ADD/REMOVE USERS"/> </div> <div style="border: 1px solid black; padding: 5px;"> Group Channels </div>				NAME:	test group 1	DESCRIPTION:	test	<input type="button" value="SAVE"/> <input type="button" value="DELETE..."/> <input type="button" value="RESET"/>		USER NAME:	NAME:	drice	David Rice	dylan	Dylan McDanniel	rafael	Rafael Weinstein	robert	Robert Otani
NAME:	test group 1																			
DESCRIPTION:	test																			
<input type="button" value="SAVE"/> <input type="button" value="DELETE..."/> <input type="button" value="RESET"/>																				
USER NAME:	NAME:																			
drice	David Rice																			
dylan	Dylan McDanniel																			
rafael	Rafael Weinstein																			
robert	Robert Otani																			

FIG. 41

MODE: Administrator	 AvantGo Enterprise			3.4.152 NT						
Help Logout TASKS <ul style="list-style-type: none"> List All Groups New Group 	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Groups <p>Modify or view a group by clicking on its name.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">GROUP NAME:</td> <td style="width: 50%;">DESCRIPTION</td> </tr> <tr> <td>asdf</td> <td></td> </tr> <tr> <td><u>test group 1</u></td> <td>test</td> </tr> </table> </div>				GROUP NAME:	DESCRIPTION	asdf		<u>test group 1</u>	test
GROUP NAME:	DESCRIPTION									
asdf										
<u>test group 1</u>	test									

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FIG. 42

MODE: Administrator

AvantGo Enterprise

STATUS USERS GROUPS SETTINGS 3.4.152 NT

Help Logout

TASKS

Change Admin Password
PalmOS Download
WinCE Download

Admin Settings

OLD PASSWORD:	[]
NEW PASSWORD:	[]
CONFIRM NEW PASSWORD:	[]
	SAVE RESET

FIG. 43

AvantGo-Microsoft Internet Explorer

Address: channel_properties.html?cha_id=2928246

CHANNEL PROPERTIES

MY ACCOUNT CHANNEL SIZE

FOX SPORTS Fox Sports

CHANNEL SIZE

Maximum Channel Size: [100] k
Link Depth: [2]
Include Images: Yes No
Follow Off-Site Links: Yes No

CHANNEL REFRESH

Refresh:
 on every sync
 every [0] hour(s)
 only once
 daily at [12:00 AM] on following days:
 Monday Tuesday Wednesday Thursday
 Friday Saturday Sunday

Save Channel Changes

Internet

FIG. 44



[MY ACCOUNT](#)
[MY CHANNELS](#)
[SETTINGS](#)
[SOFTWARE SETUP](#)
[SYNC LOG](#)

WELCOME, dkoehn68
[Log out](#)

AUTOCHANNEL™

[BACK TO CHANNELS](#)

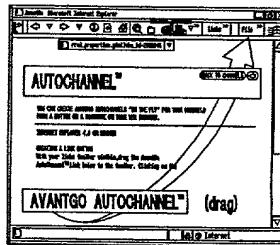
YOU CAN CREATE AVANTGO AUTOCHANNELS "ON THE FLY" FOR YOUR HANDHELD FROM A BUTTON OR A BOOKMARK ON YOUR WEB BROWSER.

INTERNET EXPLORER 4.0 OR HIGHER

CREATING A LINK BUTTON

With your links toolbar visible, drag the AvantGo AutoChannel™ link below to the toolbar. Clicking on the button while browsing a website will let you add that website to your handheld device.

Drag this link: [AvantGo AutoChannel](#)



CREATING A BOOKMARK

Right-click on AvantGo AutoChannel™ link below and select "Add to Favorites...". Choosing this in your favorites will let you add the website you are browsing as an AvantGo channel on your handheld.

Right-click this link: [AvantGo AutoChannel](#)

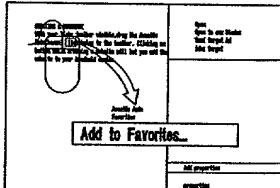
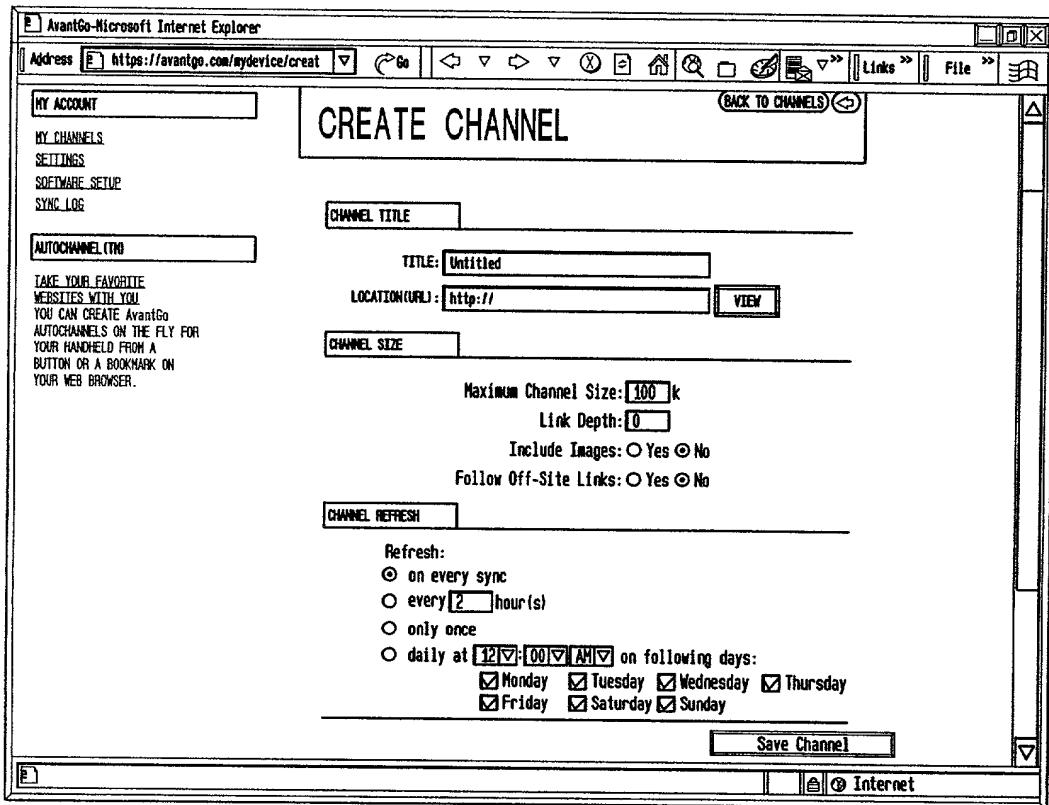


FIG. 45



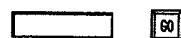
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FIG. 46



SEARCH CHANNELS

LOOK FOR:



CHANNEL CATEGORIES

new channels

4604

Business [95]

4606

City/Regional [261]

4608

Entertainment [211]

Lifestyle [57]

News [64]

SciTech [77]

Sports [73]

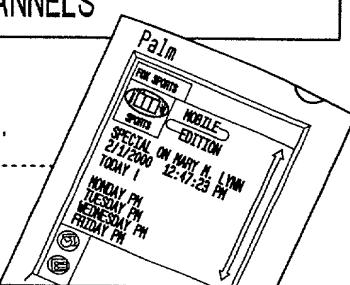
Travel [61]

Weather [29]

Wireless [22]

4604

FEATURED CHANNELS

UP-TO-THE-MINUTE SCORES, STATS,
STORIES AND COMMENTARY.A DISTINCTIVE VOICE ON
NEWS, POLITICS AND OPINION.

> COOL CHANNELS (AVANTGO STAFF FAVORITES)

Autobytel

Buy your next car or keep up to date with your
current car's maintenance-all from your handheld.

Hollywood.com

Have movie listings for your zip code right at your
fingertips.

Restaurant.com

Find a great restaurant in your area and even make
reservations wirelessly.

MyDocsOnline

Sync your desktop documents to your handheld or
wirelessly email them to friends or colleagues.

4610

4612

4614

4616

WELCOME, dkoechel68

Log out

MY ACCOUNT

EDIT

Fox Sports

Hoover's IPO Update

The Wall Street Journal

The Weather Channel

Upside Today

Wired News

Yahoo!

CREATE CHANNEL

4602

FIG. 47

MY ACCOUNT

MY CHANNELS

SETTINGS

SOFTWARE SETUP

SYNC LOG

MY CHANNELS

BACK TO CHANNELS

ESTIMATED TOTAL SIZE FOR 7 CHANNELS: 253k

TOTAL MAX SIZE FOR 7 CHANNELS: 480k

<input type="checkbox"/> Fox Sports	26k
<input type="checkbox"/> Hoover's IPO Update	7k
<input type="checkbox"/> The Wall Street Journal	10k
<input type="checkbox"/> The Weather Channel	6k
<input type="checkbox"/> Upside Today	35k
<input type="checkbox"/> Wired News	69k
<input checked="" type="checkbox"/> Yahoo!	(estimated) 100k

DELETE CHECKED

CHANNEL TOOLS

Create Custom Channel

Add your own favorite website to your handheld device.

AvantGo AutoChannels™

Create a channel for your handheld while surfing just by clicking a button or choosing
a bookmark.

Export Channels

Generate URLs which can be used to add your channels to anyone's account.

Import AvantGo version 1.x Channels

Migrate older channels,data files for viewing on your latest AvantGo 3.x software.

4704

4702

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FIG. 48

MY ACCOUNT BACK TO CHANNELS

MY CHANNELS
SETTINGS
SOFTWARE SETUP
SYNC LOG

ACCOUNT SETTINGS

CHANGE PASSWORD

YOU WILL BE ASKED TO UPDATE CHANGES TO YOUR DEVICE FROM THIS WEBSITE.
IF YOU'VE FORGOTTEN YOUR PASSWORD, YOU CAN REQUEST A PASSWORD RESET.

OLD PASSWORD:

NEW PASSWORD:

CONFIRM PASSWORD:

CHANGE PASSWORD

CHANGE EMAIL ADDRESS

THIS IS WHERE PASSWORD RESET MESSAGES WILL BE SENT IF YOU FORGET YOUR
USERNAME OR PASSWORD.

PASSWORD:

NEW EMAIL ADDRESS: dkoehn@avantgo.com

SUBMIT

FIG. 49



WELCOME, dkoehn@go

Log out

MY ACCOUNT BACK TO CHANNELS

MY CHANNELS
SETTINGS
SOFTWARE SETUP
SYNC LOG

SOFTWARE SETUP

► DOWNLOAD AvantGo PALM OS CLIENT (WINDOWS)
► DOWNLOAD AvantGo WINDOWS(R) CE CLIENT (WINDOWS)
► DOWNLOAD AvantGo CONNECT™ (MACINTOSH)
► CONFIGURE MOBILE APPLICATION LINK

TO CHECK YOUR AvantGo CLIENT VERSION:
TAP TOOLS > ABOUT AvantGo ON CE
OR
MENU > OPTIONS > ABOUT AvantGo ON PALM DEVICES.
THE ABOUT AvantGo PANEL APPEARS. ON THE BOTTOM LEFT IS YOUR VERSION
NUMBER.

UPDATE

FIG. 50

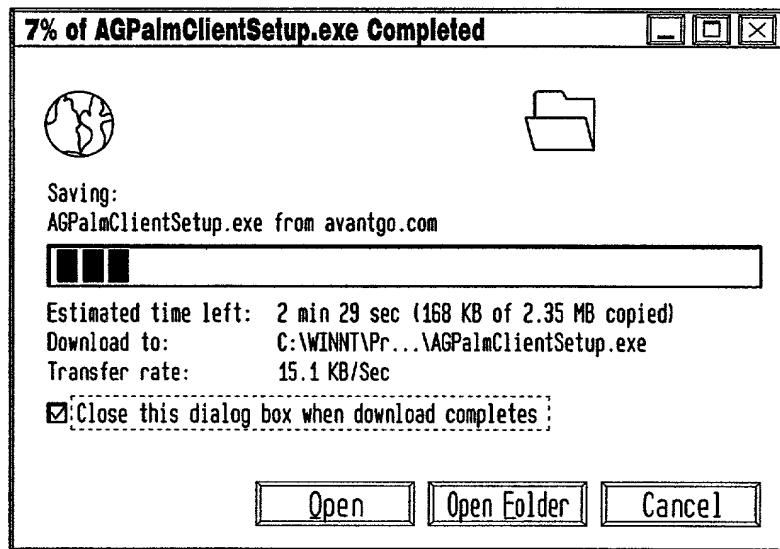


FIG. 51

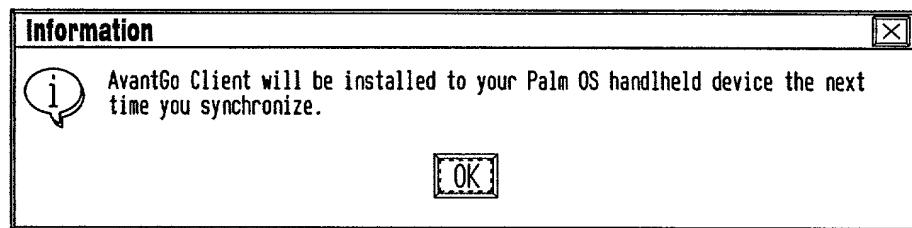


FIG. 52

SETUP CHECKLIST

- ✓ DOWNLOAD
- INSTALL
- SYNCHRONIZE
- CREATE ACCOUNT
- CONFIGURE
- SYNCHRONIZE

SYNCHRONIZE

Place your device in its cradle and press the HotSync button.

When you synchronize, AvantGo 3.x will be installed on your device. After synchronization is complete, click the "Next" button at the bottom of the page.

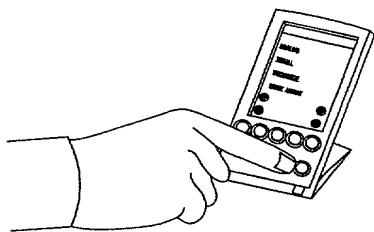
**NEXT >>**

FIG. 53

SETUP CHECKLIST

- ✓ DOWNLOAD
- ✓ INSTALL
- ✓ SYNCHRONIZE
- CREATE ACCOUNT
- CONFIGURE
- SYNCHRONIZE

USE EXISTING ACCOUNT?

Select below to use this account or to create a new one

Username: dkoehn68

Email: dkoehn@avantgo.com

Use this account

Create a new account

NEXT >>

FIG. 54

SETUP CHECKLIST

- ✓ DOWNLOAD
- ✓ INSTALL
- ✓ SYNCHRONIZE
- ✓ CREATE ACCOUNT
- CONFIGURE
- SYNCHRONIZE

CONFIGURE MOBILE LINK

Click the link below to configure Mobile Link™

By clicking below, you will ensure your AvantGo 3.x software is communicating properly with AvantGo's servers.

**CLICK HERE
TO CONFIGURE**

5402

NEXT >>

FIG. 55

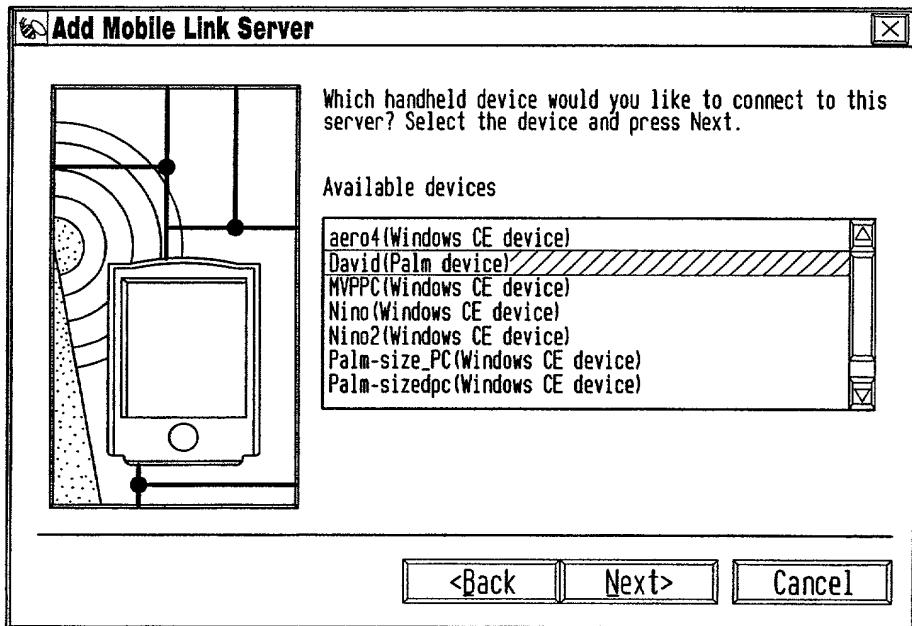


FIG. 56

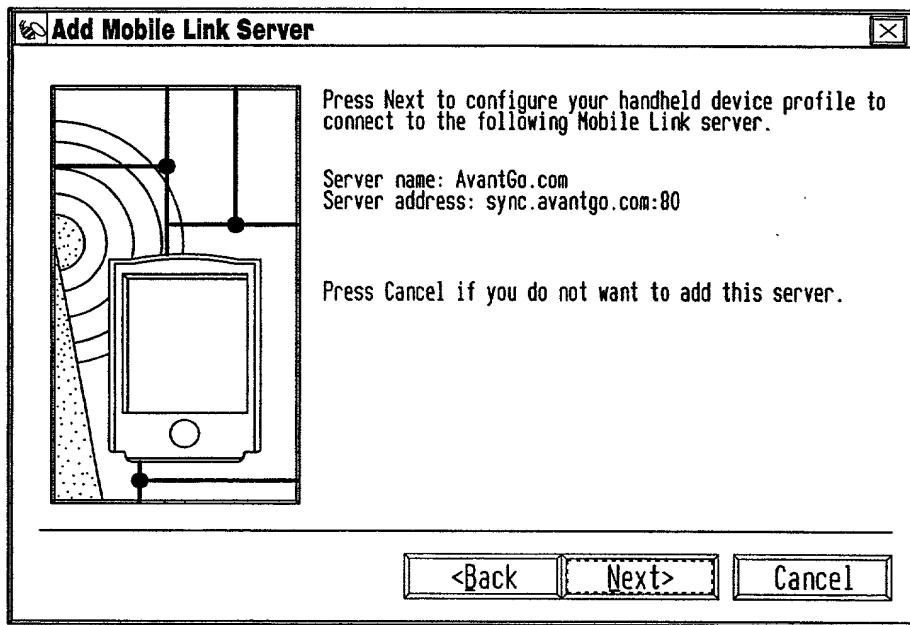


FIG. 57

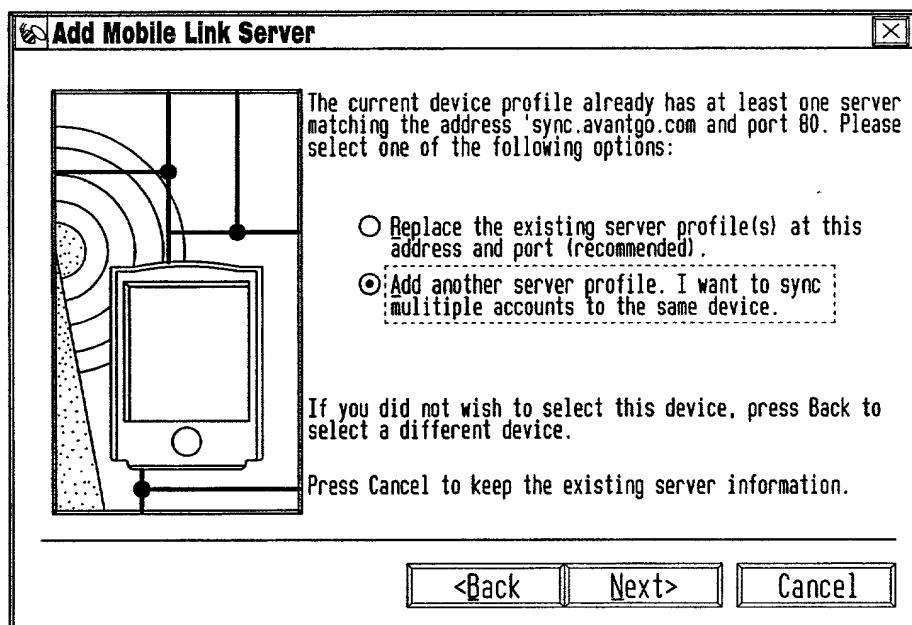


FIG. 58

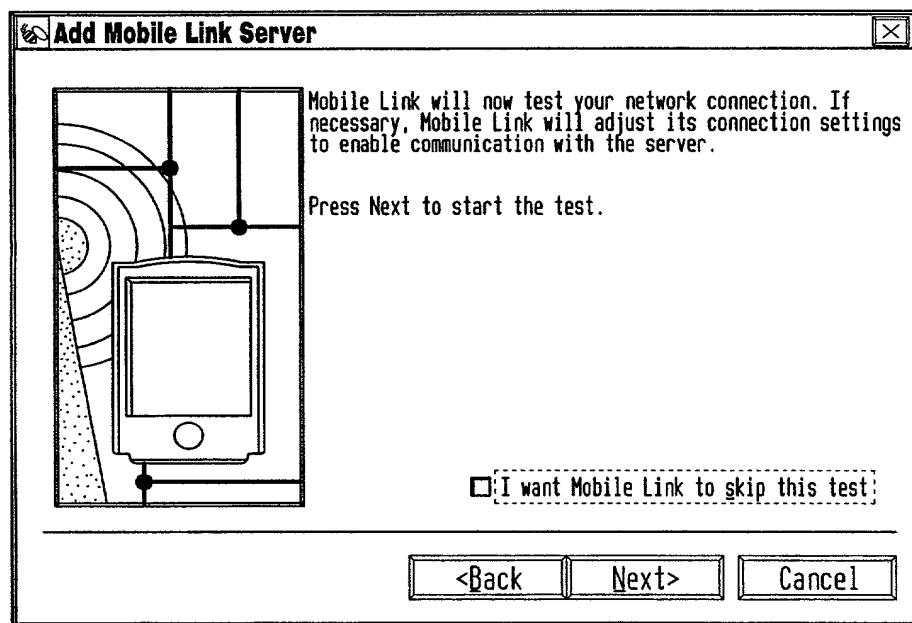


FIG. 59

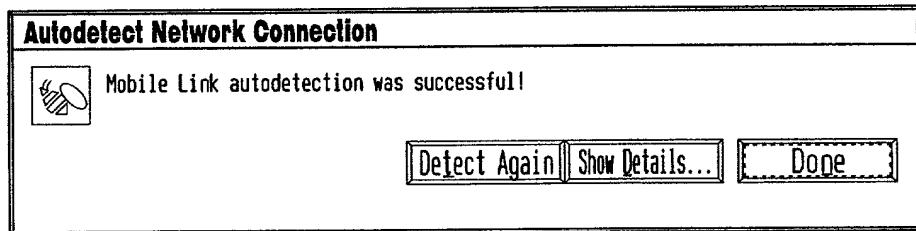


FIG. 60

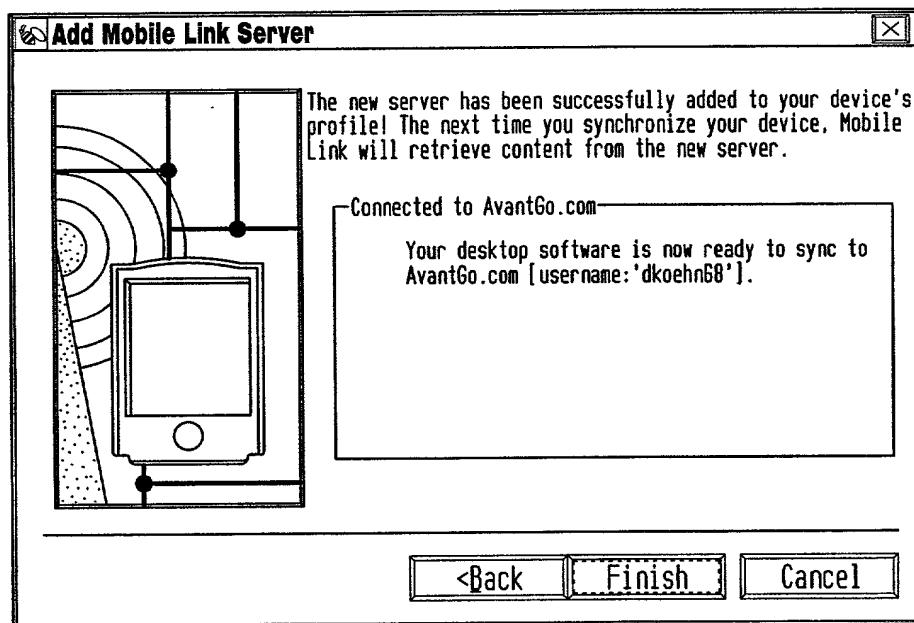


FIG. 61

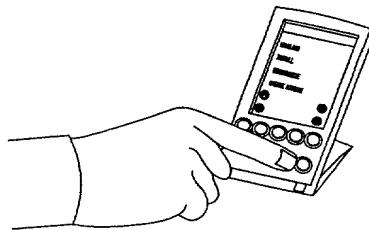
SETUP CHECKLIST

- ✓ DOWNLOAD
- ✓ INSTALL
- ✓ SYNCHRONIZE
- ✓ CREATE ACCOUNT
- ✓ CONFIGURE
- SYNCHRONIZE

SYNCHRONIZE

Place your device in its cradle and press the HotSync button.

When you synchronize, your AvantGo 3.x software will connect to the Avantgo servers for the first time. After synchronization is complete, click the "Next" button at the bottom of the page.



NEXT >>

FIG. 62

SETUP CHECKLIST

- ✓ DOWNLOAD
- ✓ INSTALL
- ✓ SYNCHRONIZE
- ✓ CREATE ACCOUNT
- ✓ CONFIGURE
- ✓ SYNCHRONIZE

CONGRATULATIONS!

You are now an AvantGo user

Pick up your device, click on the "applications" button and select AvantGo to begin navigating channels. Use the links below to begin navigating AvantGo.

CHANNELS

Choose from 1000s of exciting channels from leading providers

ACCOUNT

View and edit your personalized account settings

FINISH >>

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FIG. 63A

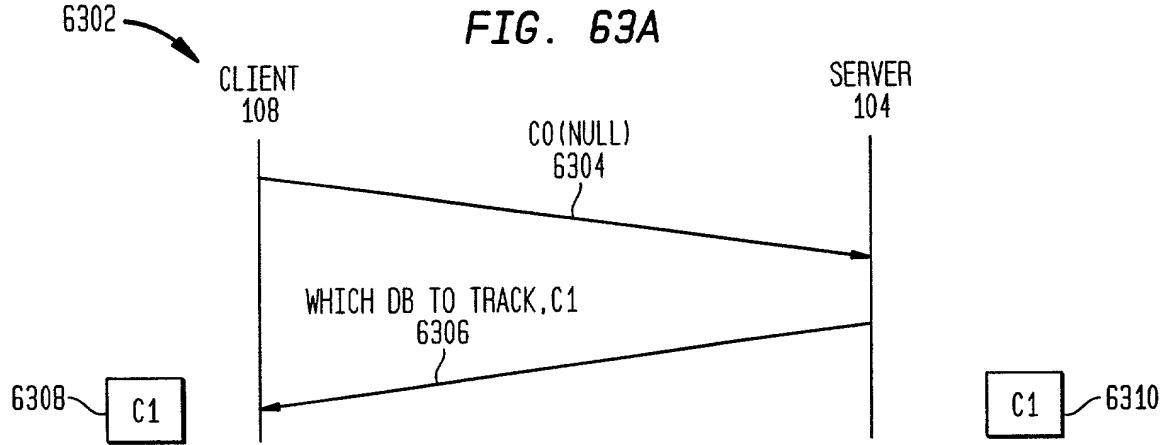


FIG. 63B

